1 of 5

Facility Operations 1993 Fiscal Year Work Plan

WBS 1.3.1

Site Management System

Date Published
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**Westinghouse
Hanford Company**

P.O. Box 1970
Richland, Washington 99352

Hanford Operations and Engineering Contractor for the
U.S. Department of Energy under Contract DE-AC06-87RL10930

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November 18, 1992

9258598

Mr. J. R. Hunter, Assistant Manager
Office of Assistant Manager for Waste Management
U.S. Department of Energy
Richland Field Office
Richland, Washington 99352

Dear Mr. Hunter:

FACILITY OPERATIONS 1993 FISCAL YEAR WORK PLAN

References: Letter, D. B. Cartmell, WHC, to J. R. Hunter, RL, "Facility Operations Fiscal Year 1993 Fiscal Work Plan - Draft", dated September 2, 1992.

Letter, J. J. Keaton, RL, to President, WHC, "1993 Fiscal Year Work Plan Guidance", dated July 1, 1992.

Transmitted herein for approval is the Facility Operations 1993 Fiscal Year Work Plan (FYWP) as required by the Site Management System (SMS). The attached 1993 FYWP will supersede the Contract Work Authorization signed September 30, 1992 based on the draft 1993 FYWP. Class I Change Request FO-93-003, "Establish the FY 1993 Baseline", will be submitted to U. S. Department of Energy, Richland Field Office (RL) to document changes from the draft FYWP to the final FYWP.

The workscope, technical and budget baseline documented in the final Fiscal Year (FY) 1993 FYWP incorporates the incremental funding which was allocated by the integrated prioritization of funding from the Westinghouse Hanford Company General & Administration/Common Support Pool (WHC G&A/CSP) rate reduction and FY 1992 carryover funding. Incremental funding of \$4.1M and \$2.9M respectively were provided to the Facility Operations Programs.

Change Requests BI-93-001, "The Reallocation of EW-31 Funding Resulting from Reduction in Company Level Overhead Rate", and BI-93-002, "Fiscal Year 1992 Waste Management (EW-10, EW-30) Carryover", documenting these allocations were to be submitted to RL for approval, but recent identification of regulatory compliance issues identified in several of the WHC program areas

Mr. J. R. Hunter
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has postponed this action. In the event the final decision on the uses of these funds changes, a follow-up Class I Change Request will be submitted to document changes to the baseline.

Very truly yours,

D. B. Cartmell, Manager
Operations Program Management
Facility Operations

kat

Attachment

RL - K. D. Cameron
S. S. Clark (5)
J. E. Mecca
R. O. Puthoff (w/o attachment)
D. W. Templeton

FACILITY OPERATIONS

1993 FISCAL YEAR WORK PLAN

WBS 1.3.1

DOE-HQ

DOE-RL Assistant Manager
Contracting Officer Representative

WHC Program Manager

DOE-RL Program Manager

FORMER DP PROGRAM FACILITIES

FACILITY OPERATIONS

1.3.1

FISCAL YEAR 1993 WORK PLAN

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- Work Breakdown Structure Dictionary Sheets
- Cost Account Authorizations
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LIST OF TERMS

ADS	activity data sheets
ALARA	as low as reasonable achievable
ASE	
BAT	best available technology
BPA	Bonneville Power Administration
CAA	Cost Account Authorization
CDR	conceptual design report
CENRTC	Capital Equipment not Related to Construction
CR	closure report
CSA	Compliance Schedule Approvals
CWC	Central Waste Complex
CWO	Capital Work Orders
DNFSB	Defense Nuclear Facility Safety Board
DOE	U.S. Department of Energy
DOE-HQ	U.S. Department of Energy-Headquarters Office
DOT	U.S. Department of Transportation
DP	Defense Programs
Ecology	Washington State Department of Ecology
ECN	engineering change notice
EIS	Environmental Impact Statement
EIS	Effluent Information System
EM	Environmental Management
EPA	U.S. Environmental Protection Agency
ER	Environmental Restoration
ES	engineering study
FDC	functional design criteria
FDS	Financial Data System
FEMP	Facility Effluent Monitoring Plan
FONSI	Finding of No Significant Impact
FSAR	final safety analysis report
FY	fiscal year
FYWP	Fiscal Year Work Plan
GPP	General Plant Project
HEHF	Hanford Environmental Health Foundation
HPT	health physics technician
HVAC	heating, ventilation, and air conditioning
INEL	Idaho National Engineering Laboratory
IXM	ion exchange module
JCS	job control system
KEH	Kaiser Engineer Hanford
LEU	low enriched uranium
LI	line item
LLNL	Lawrence Livermore National Laboratory
LLW	low-level radioactive waste
MBA	material balance area
MCA	Multi Channel Analyzer
MK II	Mark II
MYPP	multi year program plan
NDA	nondestructive assay
NEPA	<i>National Environmental Policy Act of 1969</i>

NESHAP	National Emission Standards for Hazardous Air
NOD	notice of deficiency
NPDES	National Pollutant Discharge Elimination System
ODIS	Onsite Discharge Information System
ORP	operational readiness procedure
ORR	operational readiness review
OSD	Operating Safety Documents
OSHA	Occupational Safety and Health Administration
OSR	Operating Safety Requirements
PADS	pollutants activity data sheets
PFP	Plutonium Finishing Plant
PM	preventative maintenance
PNL	Pacific Northwest Laboratory
POD	plan of the day
POW	plan of the week
PPG	priority planning grid
PRF	Plutonium Reclamation Facility
PTS	Progress Tracking System
PUREX	Plutonium-Uranium Reduction Extraction
QA	quality assurance
QUEST	quality environmental safety tracking system
RADTU	Radioactive Acid Digestion Test Unit
RCRA	<i>Resource Conservation and Recovery Act of 1976</i>
RL	U.S. Department of Energy-Richland Field Office
RMC	Remote Mechanical Line C
ROD	Record of Decision
RRB	Readiness Review Board
RSAD	Requirements Self-Assessment Database
RWP	Radiation Work Procedure
SAR	safety analysis review
SAS	Safeguards and Security
SEAC	Safety and Environmental Advisory Council
SMS	Site Management System
SNM	special nuclear material
SSP	standby surveillance procedure
STCS	Short-Term Compliance Schedules
TEDF	Treated Effluent Disposal Facility
TIA	tank integrity assessment
Tri-Party Agreement	Hanford Facility Agreement and Consent order
TRU	transuranic (waste)
TSD	treatment, storage, and disposal
UNH	uranyl nitrate hexahydrate
USQ	unresolved safety question
WAC	Washington Administrative Code
WBS	work breakdown structure
Westinghouse Hanford	Westinghouse Hanford Company
WRAM	Westinghouse Hanford Radiation Area Management

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FISCAL YEAR 1993
WORK PLAN

FACILITY OPERATIONS PROGRAM
WBS 1.3.1

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Section I

Program Description

1.0 PROGRAM DESCRIPTION

The Facility Operations program is responsible for the safe, secure, and environmentally sound management of several former defense nuclear production facilities, and for the nuclear materials in those facilities. As the mission for Facility Operations plants has shifted from production to support of environmental restoration, each plant is making a transition to support the new mission. The facilities include:

- K Basins (N Reactor fuel storage)
- N Reactor
- Plutonium-Uranium Reduction Extraction (PUREX) Plant
- Uranium Oxide (UO₃) Plant
- 300 Area Fuels Supply (N Reactor fuel supply)
- Plutonium Finishing Plant (PFP).

Activities included under Former Defense Programs (DP) Management (1.3.1.1) are common to all Facility Operations facilities and have been further grouped into three discrete program elements:

- Environmental Protection (1.3.1.10)
- Program Direction and Support (1.3.1.11)
- U.S. Department of Energy (DOE) Order Compliance (1.3.1.12).

Figure 1-1 shows the work breakdown structure (WBS) of the Facility Operations program. As part of the Former DP Program Facilities mission area (1.3), the Facility Operations program (1.3.1) includes separate program elements (1.3.1.1 through 1.3.1.6) that work together to accomplish the program's overall mission and objectives.

Figure 1-1. Facility Operations Program, Work Breakdown Structure.

A. PROGRAM MISSION STATEMENT

The Facility Operations program mission focuses on management of former nuclear production facilities and the management and disposition of nuclear materials associated with these facilities. The Facility Operations program consists of individual program elements that work together to support the overall program mission of facilities and nuclear materials management.

A.1 Environmental Protection (1.3.1.10)

The Environmental Protection program element provides expense funding for management and completion of non-routine environmental compliance activities at PFP, PUREX, and the UO₃ plant (day-to-day compliance activities are funded by the individual plants). These activities involve regulatory compliance documentation, negotiations with regulators, preliminary engineering support for candidate capital projects, and planning and reporting on regulatory requirements and *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) (Ecology et al. 1989) milestones. Specific activities include preparation of functional design criteria (FDC), conceptual design reports (CDR), air emission reports, facility effluent monitoring plans (FEMP), *Resource Conservation and Recovery Act of 1976* (RCRA) permits and closure plans, facility compliance assessments, dangerous waste tank integrity assessments, and completion of related reports. (Funding for management and completion of environmental protection tasks at the N Reactor, K Basins, and 300 Area Fuels Supply is included under their respective program elements.)

A.2 Program Direction and Support (1.3.1.11)

The Program Direction and Support program element provides management of common resources such as program and financial management, commitment planning, technical training and certification, non-plant-specific safeguards and security, and special nuclear material disposition planning. Specific tasks include the standardized preparation of Site Management System (SMS) reports, preparation of activity data sheets (ADS), compilation of Award Fee information, regular division reporting to the U.S. Department of Energy-Richland Field Office (RL), administration of the SMS and Progress Tracking System (PTS), and preparation of the material management plan. Advanced planning and preliminary engineering support for candidate capital projects (those projects required to maintain safe occupancy of Facility Operations plants) are also included.

The Program Direction and Support program element also includes preparation of documentation required by the *National Environmental Policy Act of 1969* (NEPA). The NEPA documentation is necessary to enable programmatic decisions for dispositioning the Hanford Irradiated Fuels and determining future missions for the PFP. Nuclear fuel will continue to be stored at the K Basins until a record of decision for the fuels is documented. Interim storage of Special Nuclear Material (SNM) at the PFP will continue until NEPA documentation is prepared to document a disposition recommendation.

A.3 Department of Energy Order Compliance (1.3.1.12)

The DOE Order Compliance program element provides management of resources for DOE order compliance self-assessment activities for facilities in the Facility Operations program. Activities in this program element include preparation of implementation plans, schedules, compliance assessment documentation, and related reports.

A.4 K Basins (1.3.1.2)

The K Basins program element supports the continued storage of more than 2100 metric tonnes of irradiated nuclear fuel at K Basin facilities for up to 20 yr (two facilities, the 105-KE and 105-KW storage basins, actually house the fuel inventory. Support facilities provide for the utility requirements of the storage basins). This storage mission will require upgrades to K Basins facilities and encapsulation of nuclear fuel stored in the KE Basin. The K Basins will be operated and maintained to provide safe and secure storage for irradiated nuclear fuel until final disposition. Final disposition of the irradiated fuel in the K Basins and other facilities will be determined by the Irradiated Fuels Environmental Impact Statement (EIS).

Detailed planning in support of K-East fuel encapsulation activities and planning to support near-term and outyear upgrades is being carried out. These activities will support the continued safe storage of nuclear fuel.

A.5 N Reactor (1.3.1.3)

The N Reactor program element provides the minimum safe maintenance of the N Reactor and associated facilities. On September 23, 1991, the DOE notified Westinghouse Hanford Company (WHC) to cease N Reactor preservation activities and initiate the transition to decommissioning (shutdown). The N Reactor facilities are being maintained in a regulatory-compliant state until direction and funding are received from DOE to begin executing the N Reactor Shutdown Program Plan. Shutdown activities are expected to take about 6 yr if funding is provided consistent with the shutdown program plan. When the shutdown program plan is completed, N Reactor facilities will be in a stabilized condition and will require only minimal surveillance and maintenance until decommissioning.

A.6 PUREX/UO₃ Operations (1.3.1.4)

The PUREX and UO₃ facilities will be maintained in a minimum compliance standby condition until funding is provided for shutdown program planning and execution. Transition of the PUREX Plant to a standby configuration was completed late in fiscal year (FY) 1992. The UO₃ Plant is being prepared for a final stabilization campaign that will convert the remaining liquid, uranyl-nitrate-hexahydrate inventory into uranium oxide. Once the campaign is approved, the stabilization process will take about 1 mo to complete. After stabilization is complete, the UO₃ Plant will be placed in a standby configuration (scheduled for FY 1993).

A.7 300 Area Fuels Supply (1.3.1.5)

The 300 Area Fuels Supply program element provides for the maintenance of the 300 Area Fuels Supply facilities in a regulatory-compliant state until direction and funding are received from DOE to begin executing the N Reactor Fuel Fabrication Facility Shutdown Program Plan. Shutdown tasks are expected to take about 3 yr if funding is provided consistent with the shutdown program plan. When the shutdown plan is completed, all 300 Area Fuels Supply facilities, except those required for SNM storage, will be ready for decommissioning. Some nuclear material stored in these facilities will be dispositioned to other locations during FY 1993. The remaining nuclear material will be maintained in a safe and secure manner until final disposition. Execution of RCRA closure actions will be conducted on treatment, storage, and disposal (TSD) units consistent with the approved closure plans.

A.8 Plutonium Finishing Plant (1.3.1.6)

The PFP program element provides for the stabilization of in-process nuclear materials, safe and compliant operation of the facility, and safe, secure storage of SNM. Operations expected to be conducted (or prepared for) in FY 1993 include SNM handling and storage, plutonium recovery, plutonium conversion, laboratory support, waste handling, and shutdown facilities surveillance.

The PFP is undergoing final preparations for a stabilization campaign that will convert the remaining in-process inventories of reactive sludges and plutonium-bearing liquids into plutonium nitrate suitable for interim storage. Once begun, the stabilization run is expected to take about 26 mo to complete. After stabilization is complete, the PFP process areas will be placed in a minimum safe standby condition. Consistent with Secretarial direction, NEPA documentation will be required to determine the PFP's role in stabilizing remaining fissile materials at the Hanford Site. Planning for the remote mechanical line (RMC) readiness review will be initiated during FY 1993 to support facility cleanup.

Most of the Hanford Site's remaining SNM inventory continues to be stored at the PFP. The SNM is stored in safe, secure vaults within the PFP Protected Area and this storage mission is expected to continue for the foreseeable future. Storage activities include surveillance, analytical lab support, occasional container handling (required for restabilization of some materials), and limited shipping and receiving of SNM as directed by the DOE.

Limited preliminary technical planning activities are included in this program element, beginning in FY 1993, for potential Environmental Restoration (ER) support activities at the PFP as well as the eventual shut down of the PFP. Should the decision be made to shut down the PFP rather than to use its processing capabilities for stabilization of Hanford site materials, some processing activities will still be required to clean out the facility. Detailed planning is not intended until a record of decision is documented.

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B. PROGRAM OBJECTIVES

The Facility Operations program's overall objective has changed from defense nuclear materials production to stabilization and cleanout of former defense nuclear production facilities. This new program objective supports the environmental management mission at the Hanford Site. This shift culminated with the transfer of the Facility Operations program from DP to Environmental Management (EM) in the third and fourth quarters of FY 1991. Despite the change in mission, these facilities must continue to be managed in compliance with all applicable DOE orders and directives, state and federal laws and regulations, and Tri-Party Agreement milestones. In addition, significant quantities of hazardous chemicals, nuclear materials, and SNM remain in the facilities. These materials must be managed to allow for their safe and secure disposition. Consistent with DOE and Westinghouse Hanford expectations, all facilities under the Facility Operations program will be managed in a safe, efficient, and cost-effective manner. All activities will be conducted to execute a high-quality program that ensures that Facility Operations will achieve and maintain compliance with all applicable DOE orders and directives, state and federal laws and regulations, and Tri-Party Agreement milestones, within the funding constraints imposed.

Specific objectives for the Facility Operation program elements for FY 1993 are discussed in the following subsections. These planning objectives are in addition to those general objectives provided in the overall Hanford Site Management System Planning Guidelines.

B.1 Environmental Protection (1.3.1.10)

The overall objective of the Environmental Protection program element (1.3.1.10) is to provide for the planning, reporting, and completion of environmental compliance activities at PFP, PUREX, and the UO₂ plant. The Environmental Protection program element also includes the following general objectives (to the extent funding is provided):

- Provide for environmental technology identification, development, and demonstration as required to support environmental requirements at PFP, PUREX, and the UO₂ plant
 - Prepare engineering studies, best available technology (BAT) evaluations, FDC, CDR, and NEPA documentation
 - Provide engineering and project expense support during design and construction for line items (LI), general plant project (GPP), capital work orders (CWO), and capital equipment not related to construction (CENRTC) in accordance with capital planning schedules

- Prepare and submit documentation required by RCRA and Washington Administrative Code (WAC) for dangerous waste TSD units at PUREX, the UO₃ plant, and PFP, as scheduled in the Tri-Party Agreement or as necessary, including
 - Petitions for variances
 - Notices of intent
 - Part A and B Permit Applications and related modifications
 - Closure plans
- Respond to Notices of Deficiency (NOD) as necessary to obtain applicable Part B Permits or Closure Plans for TSD units
- Prepare and submit a Notice of Intent and Part A and B Permit Applications (as required by RCRA and the WAC) for the PFP SNM vault [when directed and incrementally funded by the U.S. Department of Energy-Headquarters Office (DOE-HQ) and scheduled in the Tri-Party Agreement]
 - Respond to notices of deficiency as necessary to obtain a Part B Permit for the PFP SNM vault
 - Combine this Part B permit application with the Part B permit application for the PFP TSD units, if timing allows.
- Provide program management, environmental assessment and oversight, and engineering support to PUREX, the UO₃ plant, and PFP
 - Meet Tri-Party Agreement compliance actions and schedules
 - Attain and maintain compliance with state and federal environmental regulations
- Assist the U.S. Environmental Protection Agency (EPA) and Washington State Department of Ecology (Ecology) in conducting hazardous waste and mixed waste inspections, including tracking and closeout of resultant findings and conducting internal facility compliance self-assessments
- Conduct tank integrity assessments and related engineering studies of dangerous waste treatment and storage tanks and tank systems at PFP and PUREX (as required by the WAC) according to the schedule to be negotiated into the Tri-Party Agreement
 - Prepare reports of assessment and study findings
 - Prepare FDCs and CDRs to initiate projects to correct system deficiencies
- Update FEMPs annually at PFP, PUREX, and the UO₃ plant, issue annual air emissions reports, and provide supplemental facility-specific air emission information

- Conduct engineering studies and assessments and develop methodologies and action plans as necessary to attain agreement with the EPA regarding compliance with Title 40, Code of Federal Regulations (CFR), Part 61, Subpart H criteria "National Emission Standards for Hazardous Air Pollutants," (NESHAP), (EPA 1991)
- Prepare FDCs and CDRs to initiate projects to correct air monitoring system deficiencies
- Plan, conduct, and document air emissions inventories of criteria, hazardous and toxic air pollutants, and radionuclides for the Hanford Air Operating Permit Application being prepared in accordance with the *Clean Air Act Amendment of 1990*
- Conduct interim stabilization and disposition of contaminated soil sites and equipment (subject to funding availability)
 - initial surveys
 - inventories
 - historical research
 - sampling and characterization
 - disposal
- Prepare or update waste minimization plans and reports, including process waste assessments, as necessary to comply with WAC 173-307, "Pollution Prevention Plans" (Ecology, 1991), and to implement RCRA permit provisions
- Respond to the independent technical review (Red Team) report for the PUREX facility

B.2 Program Direction and Support (1.3.1.11)

The overall objective of the Program Direction and Support program element is to provide management support for resources and activities that are common to all Facility Operations plants. The Program Direction and Support program element also includes the following specific objectives.

- Interact and provide integration with RL, DOE-HQ, other Hanford Site contractors, and other contractors within the DOE complex
- Ensure consistent application and administration of accounting and business management principles for the Facility Operations program
- Implement and administer the SMS and PTS
- Develop long-term plans and capital projects consistent with the overall Hanford Site mission in coordination with the Westinghouse Hanford strategic planning organization

- Provide support for development and exchange of technical information with other Hanford Site organizations and other DOE contractors
- Provide leadership to the Hanford Site in identifying implementation strategies for Operations Excellence, Conduct of Operations, External Assessments, and other related activities
- Provide overall guidance for management and disposition of the Hanford Site SNM inventory. Provide coordination of shipments to and from the Hanford Site
 - Perform studies to determine methods for SNM stabilization, treatment, storage, and shipping
 - Participate in DOE complex-wide committees and represent Hanford Site interests regarding SNM stabilization, treatment, storage, and shipping
- Manage Facility Operations' participation in the overall Hanford Site Technical Training effort
 - Identify and prepare technical training programs for Nuclear Operators, Operations Supervisors, Laboratory Technicians, and maintenance personnel
 - Develop computer-based training (if appropriate and cost-effective)
- Manage the preparation of major NEPA documentation for Facility Operations
 - Prepare initial documentation for the Irradiated Fuels EIS
 - Complete a scoping document for the PFP
 - Address other NEPA-related issues as needed

B.3 Department of Energy Order Compliance (1.3.1.12)

The overall objective of the DOE Order Compliance program element is to assess and verify compliance of program facilities and activities with applicable DOE order requirements. This is accomplished through a line-by-line assessment of the incorporation of the DOE order requirements into WHC management controls and personnel training. The DOE Order Compliance activities are conducted in accordance with WHC-IP-0836 (WHC, 1992b), which implements the DOE-Defense Programs Order Compliance Self-Assessment instruction. The DOE Order Compliance program element includes the following specific objectives.

- Complete the data entry of the WHC Order Compliance Self-Assessment Pilot Program documentation into the Requirements Self-Assessment Database and QUEST database

- Complete PFP, K-Basins, and the UO₃ Plant Order Compliance Self-Assessment activities to support restart and encapsulation activities
- Implement the Long-Term Order Compliance Self-Assessment (VIA graded approach) program factoring in the lessons learned from the pilot program

B.4 K Basins (1.3.1.2)

The overall objective of the K Basins program element is to store more than 2,100 metric tonnes of irradiated N Reactor fuel in a radiologically and environmentally safe condition for at least 20 yr. The K Basins program element includes the following specific objectives.

- Provide for required engineering, operations, and maintenance personnel necessary to continue ongoing storage of irradiated nuclear fuel at the K Area fuel storage basins
- Complete ongoing surveillance activities required for continued storage of the irradiated fuel inventory in a safe, environmentally sound, compliant manner
- Handle and dispose of radioactive, hazardous, and mixed waste from K Basin facilities
- Encapsulate fuel stored in open fuel canisters in K East storage basin
- Complete necessary upgrade requirements as identified by ongoing seismic, comparability, and life extension studies of K Basins fuel storage facilities
- Perform required site environmental monitoring and surveillance
- Continue roof inspections, engineering studies, design and start repair work of the 105-KE and 105-KW roofs.

B.5 N Reactor (1.3.1.3)

The overall objective of the N Reactor program element is to maintain the N Reactor in compliance with applicable DOE and regulatory requirements until direction and funding is received from DOE to begin the N Reactor Shutdown Program Plan. The N Reactor program element includes the following specific objectives.

- Maintain N Reactor facilities in compliance with applicable DOE, state, and federal regulations while awaiting direction and funding to begin the N Reactor Shutdown Program Plan
- Continue RCRA closure activities at 100-N Area sites

- Continue planning necessary to address shoreline dose reduction initiatives
- Provide for modifications to facilities to reduce future surveillance and maintenance requirements where appropriate
- Handling and disposal of radioactive, hazardous, and mixed wastes from 100-N facilities
- Provide required site environmental monitoring and surveillance.

B.6 PUREX/UO₃ Operations (1.3.1.4)

The overall purpose of the PUREX/UO₃ program element is to place and/or maintain PUREX and UO₃ plants and their associated facilities in a safe and environmentally sound standby condition until a decision is made to execute shutdown for actual RCRA closure, decontamination, and decommissioning.

The standby program encompasses planning and executing all activities necessary to accomplish the following:

- Maintain PUREX and the supporting facilities in a safe standby condition.
- Complete those plant upgrades and requirements for the standby period that support environmental, safety, and Tri-Party Agreement activities necessary for the standby configuration.
- Perform approximately 5,000 field surveillances each week to verify Operating Safety Requirements (OSR) and Operating Safety Documents (OSD) compliance, normal operations of plant systems, adequate housekeeping and identification of any safety hazards at the PUREX and UO₃ Plants.
- Perform the collection, identification, packaging, storage, and shipment of all solid waste and low volumes of liquid wastes generated at the PUREX Plant.
- Perform the investigation for and writing of all occurrence reports, develop and track monthly performance indicators and coordinate responses to surveillances and audits, provide lessons learned, and conduct self-assessments.
- Maintain the west canyon crane and slave crane to modify canyon transfer routes, verify configuration, replace equipment in dangerous wastes tanks, and observe leaks and accumulations in sumps at the PUREX Plant.
- Provide the overall direction of the PUREX operations group in managing budgets, staffing plans, and schedules. In addition, perform Occupational Safety and Health Administration (OSHA) inspections, radiation protection inspections and audit follow-ups,

housekeeping, handling laundry and other consumables, and performing 450 to 500 ticklers each month.

- Perform those activities which support reductions of source term material within the PUREX facility.
- Provide training relief for four shifts of operations personnel at the PUREX Plant.
- Provide Hanford Patrol support for the PUREX Plant to perform SNM door checks. Install door alarms, which will eliminate the need for patrol door checks.
- Provide maintenance engineering, instrument technicians, electricians, pipefitters, millwrights, insulators, painters, light-duty drivers, sign painters, crane and rigging crews, vent and balance technicians, grounds maintenance personnel, janitorial service, utility maintenance personnel, material planning and control personnel, and clerical and management staff to perform the following at the PUREX Plant:
 - Complete 250 calibrations each month
 - Complete 90 preventive work packages each month
 - Complete 80 corrective work packages each month
 - Generate, modify, or delete preventive maintenance procedures, critical work plans, and load lists
 - Troubleshoot and repair environmental monitoring equipment
 - Troubleshoot and repair plant operating equipment and facility systems
 - Provide training relief for mandatory training classes
 - Provide support for company administrative programs
- Provide a radiological safety program that produces data for both dose rate and contamination levels throughout the PUREX Plant. The depth and frequency of each assessment is directly related to the potential risk to employees health and safety.
- Provide health physics technician (HPT) support for effluent sampling and monitoring, response to radiological alarms, personnel safety equipment and the WHC radiation area management (WRAM) system at the PUREX Plant. In addition, perform OSD surveillances, radioactive source control, air sampling tracking and trending, training certifications, emergency response capabilities, and absence relief for shift personnel.

- Provide Quality Assurance independent oversight by contributing through surveillance tracking, tabulation, and trending and presenting information that supports the requirements of DOE orders at the PUREX Plant. In addition, establish and execute an inspection program that verifies that items conform to specified requirements and review and approve corrective action plans.
- Provide a job control system (JCS) consisting of planners, schedulers, and clerical and management staff to assure timely completion of assigned work packages at the PUREX Plant. Currently, approximately 1,600 planned and unplanned packages are in the JCS.
- Provide quality analytical support for PUREX/ UO_3 effluents, process control, accountability, and inventory schedule. Perform approximately 530 analyses per month.
- Provide an engineering staff, including related administrative and clerical support personnel, who will perform the following activities for both the PUREX and UO_3 plants:
 - Provide competent technical review and approval authority for waste and hazardous material/handling, sorting, characterization, packaging, and shipping
 - Provide day-to-day technical consultation to plant operations
 - Provide technical data and information to document plant and equipment configuration changes
 - Provide technical authority for plant effluents, and effluent monitoring and sampling
 - Provide gaseous and liquid effluent support engineering for release control, record keeping, and reporting
 - Provide regulatory compliance personnel for interpretations, regulatory oversight, interactions, and audits required to ensure plant activities are conducted in full compliance with state and federal hazardous waste regulations
 - Provide cognizant engineering for plant-specific systems
 - Provide surveillance and maintenance engineering staff for plant safety systems and critical utilities
- Provide a minimum operations crew at the UO_3 Plant after the stabilization run is complete during the first quarter of the fiscal year. A rampdown of personnel will commence immediately following the stabilization run and will take approximately 9 mo to 1 yr to transition the plant into a minimum safe standby condition until shutdown execution is initiated.

B.7 300 Area Fuels Supply (1.3.1.5)

The overall objective of the 300 Area Fuels Supply program element is to maintain the 300 Area Fuels Supply facilities in compliance with applicable DOE, state, and federal requirements until direction and funding is received from DOE to begin the N Reactor Fuel Fabrication Facility Shutdown Program Plan. The 300 Area Fuels Supply program element also includes the following specific objectives.

- Provide safe storage for unirradiated nuclear fuel and low enriched uranium (LEU) stored in the 300 Area
- Provide Operations personnel as required to relocate unirradiated nuclear fuel and LEU to prospective buyers or users
- Continue required closure plan reviews for the 303K Mixed Waste Storage Facility, 304 Concretion Facility, and the 303M Oxide Facility, as well as implementation efforts for the 300 Area Solvent Evaporator upon closure plan approval
- Maintain 300 Area Fuels Supply facilities in compliance with applicable regulations while awaiting direction and funding to begin the N Reactor Fuel Fabrication Facility Shutdown Program Plan
- Implement an orderly asset disposal program for disposition of essential material associated with 300 Area Fuels Supply facilities (as resources become available).

B.8 Plutonium Finishing Plant (1.3.1.6)

The PFP complex is used to conduct diversified plutonium processing, storage, and support operations. Those PFP complex operations expected to be conducted, or prepared for, in FY 1993 include SNM handling and storage, plutonium recovery, plutonium conversion, laboratory support, waste handling, and shutdown facilities surveillance. The major objectives of the PFP Program are the following:

- Maintain the PFP facilities in compliance with all applicable operational, safety, and environmental regulations
- Ensure readiness for the Plutonium Reclamation Facility (PRF) restart
 - Implement the new PFP Final Safety Analysis Report (when approved by DOE-HQ)
 - Complete an internal comprehensive operational readiness review (ORR)
 - Implement a surveillance program
 - Complete performance-based training of operations personnel

- Complete mechanical repair of items found during early operational testing.
- Operate the PRF to stabilize remaining in-process reactive sludges and plutonium-bearing liquids into plutonium bearing nitrate liquid (a form suitable) for interim vault storage
- Provide safe, secure vault storage facilities for SNM on the Hanford Site
- Provide technical support for development of documentation for the PFP NEPA review
- Initiate planning for the anticipated future operation of the RMC to convert plutonium-bearing nitrate solutions to stable solid oxides. The oxide form is suitable for long-term vault storage.
- Limited preliminary technical planning activities are included in this program element, beginning in FY 1993, for potential ER support activities at the PFP, as well as the eventual shutdown of the PFP. Should the decision be made to shut down the PFP rather than to use its processing capabilities for stabilizing Hanford Site materials, some processing activities will still be required to clean out the facility. Detailed planning is not intended until a record of decision is documented.

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C. PROGRAM PRIORITIES

The Hanford Site Priority Rankings established by John D. Wagoner, Manager, U.S. Department of Energy - Richland Field Office, in January 1992 were used to determine the priorities of the Facility Operations workscope. The scope baseline activities included in this work plan are essentially compatible with those approved for inclusion on the FY 1994 ADS submittal.

In preparing the baseline scope, Facility Operations individual workscope is compared to the priority categories to determine priority. After determining the priority, the workscope is weighed against the program element total workscope to determine ranking within the program element. Each program element workscope is then prioritized at the program level to ascertain final budget requirements for each fiscal year.

C.1 Prioritization Categories

The following is a list of the prioritization categories:

- A. Safe operations
 - A1 Resolution of unresolved and imminent safety issues
 - A2 Maintain safe facility configuration
- B. Compliance
 - B1 Ensure compliance with environmental laws and the Tri-Party Agreement
 - B2 Pursue corrective actions related to compliance issues
- C. Safety assurance
 - C1 Enhance public safety
 - C2 Enhance worker safety
- D. Compliance assurance
 - D1 Prevent non-adherence to DOE orders related to environment and safety
 - D2 Pursue corrective actions to ensure compliance with DOE orders
- E. Conduct of operations
 - E1 Pursue effective conduct of operations
- F. Enhanced operations
 - F1 Pursue desirable activities not required by regulation.

PM/SS - Program Management and Site Support

Program Management and Site Support are essential activities that must be performed and are not amenable to prioritization against the safety, compliance, and operation priorities. A level of service necessary in each area to support the top priorities must be determined.

C.2 Priority List

The priority list established for FY 1993 is shown in Table 1-1.

Table 1-1. Facility Operations Program Fiscal Year 1993 Prioritization.

[illegible]

FACILITY OPERATIONS PROGRAMS
FY 1993 PRIORITIZATION
(\$000's)

ADP	PRIORITY	4100 GENERAL PROGRAM MANAGEMENT AND PROJECT SUPPORT	4110 500 AREA FUEL WORKSCOPE	4120 ITP WORKSCOPE	4130 ENVIRONMENTAL PROTECTION WORKSCOPE	4140 FUELS WORKSCOPE	4150 K BASINS WORKSCOPE	4160 INFRACTOR WORKSCOPE	N/A	FY93 C TOTAL
COMPLIANCE	01	7P NEPA FUELS EN	0.0 RCRA H.O.D.'S	0.4 ENV COMPLIANCE	1.0 PTP PART 8 PERMIT	0.2 ENVIRONMENTAL EN	1.0 EFFLUENT SAMPLING	0.2 EFFLUENT SAMPLING	0.7	201.1
	02		0.1 RCRA CLOSURE ACT	0.4 C-119 WITH DRP	0.0 ENVIRONMENTAL MO	1.0 RCRA CLOSURE ACT	0.2			201.7
	03		0.1 FUELS EFFLUENT MO	0.1	0.0 LAB/ATORY ANALY	0.0				204.6
	04		0.1 ENVIRON BURVE	0.1	0.0					204.1
	05				0.0 PTP AIR PERMITTING	0.0				204.6
	06				0.0 PTP AIR PERMITTING	0.0				204.1
	07				0.0 PTP AIR PERMITTING	0.0				204.2
	08				0.0 PTP AIR PERMITTING	0.0				204.2
	09				0.0 PTP AIR PERMITTING	0.0				204.6
	10				0.0 PTP AIR PERMITTING	0.0				204.6
	11				0.0 PTP AIR PERMITTING	0.0				204.6
	12				0.0 PTP AIR PERMITTING	0.0				204.6
	13				0.0 PTP AIR PERMITTING	0.0				204.6
	14				0.0 PTP AIR PERMITTING	0.0				204.6
	15				0.0 PTP AIR PERMITTING	0.0				204.6
	16				0.0 PTP AIR PERMITTING	0.0				204.6
	17				0.0 PTP AIR PERMITTING	0.0				204.6
	18				0.0 PTP AIR PERMITTING	0.0				204.6
	19				0.0 PTP AIR PERMITTING	0.0				204.6
	20				0.0 PTP AIR PERMITTING	0.0				204.6
	21				0.0 PTP AIR PERMITTING	0.0				204.6
	22				0.0 PTP AIR PERMITTING	0.0				204.6
	23				0.0 PTP AIR PERMITTING	0.0				204.6
	24				0.0 PTP AIR PERMITTING	0.0				204.6
	25				0.0 PTP AIR PERMITTING	0.0				204.6
	26				0.0 PTP AIR PERMITTING	0.0				204.6
	27				0.0 PTP AIR PERMITTING	0.0				204.6
	28				0.0 PTP AIR PERMITTING	0.0				204.6
	29				0.0 PTP AIR PERMITTING	0.0				204.6
	30				0.0 PTP AIR PERMITTING	0.0				204.6
	31				0.0 PTP AIR PERMITTING	0.0				204.6
	32				0.0 PTP AIR PERMITTING	0.0				204.6
	33				0.0 PTP AIR PERMITTING	0.0				204.6
	34				0.0 PTP AIR PERMITTING	0.0				204.6
	35				0.0 PTP AIR PERMITTING	0.0				204.6
	36				0.0 PTP AIR PERMITTING	0.0				204.6
	37				0.0 PTP AIR PERMITTING	0.0				204.6
	38				0.0 PTP AIR PERMITTING	0.0				204.6
	 					

FACILITY OPERATIONS PROGRAMS
FY 1993 PRIORITIZATION
(\$000's)

AOS	PRIORITY	4100 GENERAL PROGRAM MANAGEMENT AND PROJECT SUPPORT	4100 SAR AREA/FUELS WORKSCOPE	4170 PTP WORKSCOPE	4100 ENVIRONMENTAL PROTECTION WORKSCOPE	4130 PUREX WORKSCOPE	4110 K BASINS WORKSCOPE	4120 IN REACTOR WORKSCOPE	N/A	FY93 C TOTAL
COMPLIANCE										
ASSURANCE	D1	DOE OTHER COMPLA	1.0							217.9
	D2	ACCREDITATION	0.0							217.9
SUBTOTAL COMPLIANCE ASSURANCE										
			1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONDUCT OF OPERATIONS										
	E1									217.9
	E1									217.9
SUBTOTAL CONDUCT OF OPERATIONS										
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENHANCED OPERATIONS										
F1		URANIUM STORAGE F	0.0	SHUTDOWN PLAN	0.0	C-120 SOLID WASTE H	0.0	PTP SOLID WASTE RE	0.0	217.9
F1						C-120 VENT UPGRAD	0.0	PUREX SHUTDOWN	0.0	217.9
F1		PTP CONCEPTUAL EN	1.1			TERM CLEANOUT	0.0	TOO WASTE DISPOSAL	0.0	218.2
F1		PUREX CONCEPT ENG	0.0			TOO WASTE DISP	0.0	COMPL WASTE ASSESS	0.0	219.2
F1								CONTINGENCY	0.0	219.8
F1	D-10							BASIN CLEANUP	0.0	220.3
F1										220.3
F1		TECH DEVELOPMENT	0.0							220.3
F1	DP	LAMMAS	0.0							220.3
F1	DP	PTP CONCEPTUAL EN	0.0							220.3
SUBTOTAL ENHANCED OPERATIONS										
			1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL										
			14.5	7.2	89.1	5.1	48.3	34.9	20.8	229.3

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D. PROGRAM ASSUMPTIONS AND CONSTRAINTS

The following are the key program assumptions used for FY 1993 planning:

- There is no longer a material production mission for any Facility Operations plant. Plant operations in FY 1993 will target stabilization of remaining in-process reactive sludges and plutonium-bearing liquids to a form suitable for interim vault storage.
- The PFP is currently scheduled to begin a stabilization run during second quarter FY 1993; the run will take approximately 2 yr to convert scrap SNM within process areas and liquids from vault storage to a nitrate suitable for interim storage.
- The NEPA review will be initiated in FY 1993 to determine the future mission(s) of the PFP after the stabilization run is completed. The determinations to be made are;
 - The PFP is suitable for several potential processing missions in support of Hanford Site environmental cleanup.
 - The PFP protected area will provide consolidated SNM storage for the Hanford Site for the foreseeable future (at least 20 yr).
- The K Area Basins will be operated and upgraded as required. The Irradiated Fuel EIS will be written to determine ultimate fuel disposition. The EIS scoping will be completed during FY 1993. Encapsulation of KE Basins fuel is projected to take two yr to complete. The Encapsulation Environmental Assessment Finding of No Significant Impact (FONSI) was approved June 23, 1992.
- The PUREX plant will be maintained in a minimum surveillance mode during FY 1993. Full funding is not available to perform facility cleanout and shutdown planning activities. PUREX Red Team recommendations are under evaluation.
- The UO₂ Plant will complete a stabilization campaign to convert remaining onsite inventories of liquid uranyl nitrate into uranium oxide. After completion of the UO₂ Plant stabilization run, the plant will be transitioned to a standby (minimum surveillance and maintenance) status.
- The N Reactor facilities will be maintained in a minimum compliance state awaiting direction and funding to begin execution of the N Reactor Shutdown Program Plan.
- Storage of SNM within existing PFP secure vault areas will continue throughout FY 1993, and for the foreseeable future. As required, SNM will be consolidated at PFP to permit the reduction in the number of protected areas throughout the Hanford Site.

- The DOE-HQ will approve the draft SNM management plan, which includes approaches to continue SNM storage in PFP vaults. Inventories and material ownership will be established to assist in determining equitable support funding from the affected programs.
- Implementing RCRA closure activities at the 300 Area facilities depends on receiving a final records of decision from Ecology. This plan assumes receipt of closure plan approval for the 300 Area solvent evaporator during the FY 1993 time frame.
- The RCRA Closure Plan development for 1301N, 1325N, and 1324 N/NA liquid waste disposal sites will proceed to meet closure plan submission in FY 1994.
- About \$30M is assumed to be received from DP in FY 1993 to be allocated for SNM storage and disposition activities.
- The Part B Permit Application for PFP (241-Z) will be deferred until FY 1995. No advance preparation activities will occur until FY 1994.
- The Part B Permit Application for PUREX TSD units will be deferred until FY 1995 at which time a closure plan and/or a Part B Permit Application will be submitted. No preparation activities will occur until FY 1994. However, criteria and shutdown plans for closing a canyon facility will be developed as necessary to negotiate appropriate scope for closure documentation with Ecology.
- The PFP and PUREX dangerous waste tank integrity assessments and related reports will be completed in FY 1993, but no related upgrades other than those already planned will be required by the assessments.
- The response to Ecology's NOD on the PUREX Tunnels Part B Permit Application, if received in FY 1993, will be deferred until FY 1994 depending on the extent and nature of the comments.
- The 216-E-16 rail spur will not require interim stabilization of its surface contamination.
- The project to dispose of miscellaneous liquid effluent waste water streams at PFP (C-116) will not be required in the near term; therefore, completion of a CDR can be deferred until FY 1995.
- The DOE-HQ will approve an action plan for negotiating a compliance schedule with Ecology regarding managing potentially dangerous waste in the SNM vault. This plan calls for minimal laboratory and vault upgrades and limited material characterization. It is assumed that Ecology will approve this limited characterization approach and DOE-HQ will provide incremental funding as necessary to implement any compliance schedule negotiated with Ecology.

- The RMC Line Readiness Review process planning must be initiated in FY 1993 to support a timely resumption of the RMC line operations. This is necessary to convert Plutonium bearing liquids into solids, suitable for long term storage.
- The DOE Order Compliance Self-Assessment Program (VIA graded approach) will continue to be performed in accordance with the DOE-DP methodology.
- Approval of the DOE order compliance self-assessment documentation by DOE is required before PRF restart, UO₃ restart, and K-Basins encapsulation activities can proceed.
- Workscope and budget identified for FY 1993 DOE order compliance self-assessment activities do not include implementation of the DOE-EM 90-2 Implementation Guidance addressing the Defense Nuclear Facility Safety Board (DNFSB) Recommendation 90-2.
- The current funding level for DOE order compliance does not support activities associated with N-Reactor, PUREX, and 300 Area Fuels Supply facilities.
- The current funding level for Environmental Protection does not support all required environmental compliance activities nor a proactive approach to future compliance issues (see, "Deliverables On Hold Pending Future Decisions/Funding Availability").
- The Liquid Effluent Program will fully fund activities related to TPA Milestone M-17-00 (i.e., implementation of sampling and analysis and quality assurance project plans, assessments of receiving sites, completion of HEC line item projects, preparation of permits for miscellaneous streams, etc.)

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Section II

Program Technical Baseline

2.0 PROGRAM TECHNICAL BASELINE

This section outlines the technical baseline for the Facility Operations program. The program technical baseline includes the required program and program element levels of the RL WBS for the Facility Operations program. Supporting documentation for the program technical baseline is also provided

- Work Breakdown Structure Index and Responsibility Assignment Matrix
- Program Deliverables.

Additional information about the Facility Operations program technical baseline is provided in the appendices for each program element.

- Work Breakdown Structure Dictionary Sheets
- Detailed Costs.

A. PROGRAM WORK BREAKDOWN STRUCTURE

The Facility Operations program WBS contains all program elements required by RL. The WBS is shown in chart format in Figure 2-1. Figure 2-2 through 2-9 show the WBS for the next lower level programs and the facilities shown on the WBS in Figure 2-1. Additional information about the Facility Operations Program WBS is provided in the appendix (WBS dictionary sheets) for each program element. The Program WBS and WBS dictionary sheets comprise the FY 1993 technical performance measurement baseline and changes to them will require an RL-approved Class I change request.

Figure 2-1. Facility Operations Program, Detailed Work Breakdown Structure.

Figure 2-2. Work Breakdown Structure - Environmental Protection (1.3.1.10).

Figure 2-3. Work Breakdown Structure - Program Direction and Support (1.3.1.11) (Sheet 1).

Figure 2-3. Work Breakdown Structure - Program Direction and Support (1.3.1.11) (Sheet 2).

Figure 2-4. Work Breakdown Structure - Department of Energy Order Compliance (1.3.1.12).

Figure 2-5. Work Breakdown Structure - K Basins (1.3.1.2).

Figure 2-6. Work Breakdown Structure - N Reactor (1.3.1.3).

Figure 2-7. Work Breakdown Structure - PUREX/EO₃ Operations (1.3.1.4).

Figure 2-8. Work Breakdown Structure - 300 Area Fuels Supply (1.3.1.5).

Figure 2-9. Work Breakdown Structure - Plutonium Finishing Plant (1.3.1.6) (Sheet 1).

Figure 2-9. Work Breakdown Structure - Plutonium Finishing Plant (1.3.1.6) (Sheet 2).

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**B. WORK BREAKDOWN STRUCTURE INDEX AND RESPONSIBILITY
ASSIGNMENT MATRIX**

The WBS Index and Responsibility Assignment Matrix lists the title and WBS and Financial Data System (FDS) number for each Facility Operations program element. The Responsibility Assignment Matrix specifies the responsible individual for each level of the WBS. The WBS Index and Responsibility Assignment Matrix is shown in Tables 2-1 through 2-8.

Table 2-1. Work Breakdown Structure Index and Responsibility Assignment
Matrix - Environmental Protection (1.3.1.10).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
1.3.1.10 KE			Environmental Protection	KA Hadley	Environmental Protection Programs
	1.3.1.10.1 KE5		PUREX/UO ₂ Conceptual Engineering & Project Support	TE Huber	PUREX/UO ₂ Programs
		1.3.1.10.1.03 KE521	PUREX CDR/Project Support	JL Monko	PUREX Projects
		1.3.1.10.1.04 KE522	PUREX TPA (M-17) CDR/Project Support	JL Monko	PUREX Projects
	1.3.1.10.2 KE6		PFP Conceptual Engineering & Project Support	DT Mildon	Facility Programs
		1.3.1.10.2.01 KE612	PFP Misc. Wastestream BAT/ES/FDC/Project Support	RD Keck	PFP Engineering
		1.3.1.10.2.03 KE614	PFP TPA (M-17) BAT/ES/FDC/Project Support	RD Keck	PFP Engineering
		1.3.1.10.2.04 KE621	PFP CDR/Project Support	JL Monko	PFP Projects
		1.3.1.10.2.05 KE622	PFP TPA (M-17) CDR/Project Support	JL Monko	PFP Projects
		1.3.1.10.2.06 KE631	PFP Wasteline Containment LI ES/FDC/Project Support	RD Keck	PFP Engineering
		1.3.1.10.2.07 KE632	PFP Wasteline Containment LI CDR/Project Support	JL Monko	PFP Projects
	1.3.1.10.3 KE8		Environmental Support	KA Hadley	Environmental Protection Program
		1.3.1.10.3.01 KE801	TPA/Program Support	KA Hadley	Environmental Protection Program

Table 2-1. Work Breakdown Structure Index and Responsibility Assignment
Matrix - Environmental Protection (1.3.1.10).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
		1.3.1.10.3.02 KE802	General Environmental Oversight	BG Erlandson	Facility Environmental Compliance
		1.3.1.10.3.03 KE803	Air Permitting Support	LP Diediker	Environmental Protection Program
		1.3.1.10.3.04 KE851	PUREX TPA (M-20) Part B Permitting & Compliance	GJ Lebaron	PUREX Regulatory Compliance
		1.3.1.10.3.05 KE852	PUREX TPA (M-32) Tank Integrity Assessments	GJ Lebaron	PUREX Regulatory Compliance
		1.3.1.10.3.06 KE853	PUREX/UO ₃ Air Permitting	CD Mollam	PUREX Engineering
		1.3.1.10.3.07 KE861	PFP TPA (M-20) Part B Permits	LA Garner	PFP Environmental Compliance
		1.3.1.10.3.08 KE862	PFP TPA (M-32) Tank Integrity Assessments	JE Branson	PFP Environmental Compliance
		1.3.1.10.3.09 KE863	PFP Air Permitting	LA Garner	PFP Environmental Compliance

Table 2-2. Work Breakdown Structure Index and Responsibility Assignment
Matrix - Program Direction and Support (1.3.1.11).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
1.3.1.11 K1			Program Direction and Support	RR Borisch	Facility Operations Programs
	1.3.1.11.1 K11		Facility Operations Program Administration	RR Borisch	Facility Operations Programs
		1.3.1.11.1.01 K1101	Facility Operations Program Management	RR Borisch	Facility Operations Programs
		1.3.1.11.1.02 K1102	Facility Operations Program Control	JO Lundeen	Operations Business Management
		1.3.1.11.1.03 K1104	Operations and Maintenance Improvements	GP Woodworth	Operations and Maintenance Improvements
	1.3.1.11.2 K12		Assessments	RA Spohr	Financial Integration
		1.3.1.11.2.02 K1203	Energy Tax	RA Spohr	Financial Integration
	1.3.1.11.3 K13		Facility Operations Technical Training	DL Schilperoort	Operations and Maintenance Improvements
		1.3.1.11.3.01 K1301	PFP/PUREX Training	EV Weiss	Operations Technical Training
		1.3.1.11.3.02 K1302	Operator Training	EV Weiss	Operations Technical Training
		1.3.1.11.3.03 K1303	Supervisor Training	EV Weiss	Operations Technical Training
		1.3.1.11.3.04 K1304	Facility Maintenance Training	EV Weiss	Operations Technical Training
		1.3.1.11.3.05 K1305	PFP Laboratory Technician Training	EV Weiss	Operations Technical Training

Table 2-2. Work Breakdown Structure Index and Responsibility Assignment
Matrix - Program Direction and Support (1.3.1.11).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
		1.3.1.11.3.06 K1306	Technical Support	EV Weiss	Operations Technical Training
		1.3.1.11.3.07 K1307	Power Operator Training	EV Weiss	Operations Technical Training
		1.3.1.11.3.08 K1308	Certification Program	EV Weiss	Operations Technical Training
	1.3.1.11.4 K14		Facility Operations Safeguards and Security	RL Salley	Nuclear Materials Management
		1.3.1.11.4.01 K1400	Security Operations - 200 Areas	JW Gideon	Operations Security 200W
		1.3.1.11.4.03 K1402	Nuclear Material Control Overview	DE Six	Administrative Control
		1.3.1.11.4.04 K1403	Planning and Analysis	GA Hanson	Reports and Analysis
	1.3.1.11.5 K15		PUREX/UO ₃ Plant Technology Development	TE Huber	PUREX/UO ₃ Programs
	1.3.1.11.6 K16		PFP Technology Development	DT Mildon	PFP Operations
		1.3.1.11.6.03 K1602	PFP Engineering Studies	JL Monko	PFP Projects
		1.3.1.11.6.05 K1603	PFP General Project Support	JL Monko	PFP Projects
	1.3.1.11.7 K17		Advanced Planning and Technology Development	RL Salley	Nuclear Materials Management
		1.3.1.11.7.01 K1701	Advanced Planning	JS Garfield	Strategic Systems Engineering

Table 2-2. Work Breakdown Structure Index and Responsibility Assignment
Matrix - Program Direction and Support (1.3.1.11).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
		1.3.1.11.7.02 K1702	PPSL Technology Development and Demonstration	CS Sutter	Plutonium Process Support Labs
		1.3.1.11.7.03 K1704	Nuclear Materials Packaging/Shipping Support	JG Field	Packaging Development
		1.3.1.11.7.04 K1706	Nuclear Material Management	SM O'Toole	Strategic Systems Engineering
	1.3.1.11.8 K1A		Facility Operations NEPA Documentation	Vacant	Nuclear Materials Dispositioning Program
		1.3.1.11.8.01 K1A04	Irradiated Fuels EIS	RL McCormack	Systems Engineering
		1.3.1.11.8.02 K1A08	PFP NEPA Support	RD Keck	PFP Systems and Technology

Table 2-3. Work Breakdown Structure Index and Responsibility Assignment
Matrix - Department of Energy Order Compliance (1.3.1.12).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
1.3.1.12 KC			DOE Order Compliance	GC Mooers	Regulatory Compliance
	1.3.1.12.1 KC1		DOE Order Compliance	GC Mooers	Regulatory Compliance
		1.3.1.12.1.01 KC101	DOE Order Compliance	RR Varnecke	Order Compliance Administration

Table 2-4. Work Breakdown Structure Index and Responsibility Assignment
Matrix - K Basins (1.3.1.2).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
1.3.1.2 KK			K Basins Operations	HL Debban	N Reactor Plant
	1.3.1.2.1 KK1		Program Management & Integration	KJ Kraemer	N Reactor Business Management
		1.3.1.2.1.01 KK101	Program Management	GL Bennett	Fuels & K/D Operations
		1.3.1.2.1.02 KK102	Business Management	KJ Kraemer	N Reactor Business Management
		1.3.1.2.1.03 KK103	Material Planning	RL Salley	Program Planning
	1.3.1.2.2 KK2		Basin Operations	VL Hoefer	Programs
		1.3.1.2.2.01 KK201	Continuity of Operations	GL Bennett	Fuels & K/D Operations
		1.3.1.2.2.02 KK202	Waste Handling	CD Lucas	Haz & Rad Waste Control
		1.3.1.2.2.03 KK203	Waste Disposal	CD Lucas	Haz & Rad Waste Control
		1.3.1.2.2.04 KK204	K Basin Patrol Assessment	VG Heiman	Patrol
		1.3.1.2.2.05 KK205	Safeguards & Security - K Basin Program	WR Brooksher	Safeguards & Security

Table 2-4. Work Breakdown Structure Index and Responsibility Assignment
Matrix - K Basins (1.3.1.2).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
	1.3.1.2.3 KK3		K Basin Upgrades	VL Hoefer	Programs
		1.3.1.2.3.01 KK301	Life Extension Program	WA Frier	Life Extension Programs
		1.3.1.2.3.04 KK304	KE Basin Fuel Encapsulation	JD Mathews	Fuels & K/D Operations
		1.3.1.2.3.11 KK311	K Area Roof Repair	WA Frier	Life Extension Program
	1.3.1.2.4 KK4		Regulatory Response	JP Schmidt	Facility & Operation Assurance
		1.3.1.2.4.01 KK401	K Basin Regulatory Response - Program Management	DJ Watson	Environmental Safety
		1.3.1.2.4.02 KK402	K Basin Regulatory Response - Environmental Oversight	BG Erlandson	Regulatory Field Support
		1.3.1.2.4.04 KK404	Effluent Sampling & Monitoring	DJ Watson	Environmental Safety
		1.3.1.2.4.05 KK405	K Facility Compliance Modification	DJ Watson	Environmental Safety
		1.3.1.2.4.06 KK406	K Area Operational Environmental Monitoring	JJ Dorian	Environmental Review and Integration

Table 2-5. Work Breakdown Structure Index and Responsibility Assignment
Matrix - N Reactor (1.3.1.3).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
1.3.1.3 KN			N Reactor	HL Debban	N Reactor Plant (General)
	1.3.1.3.1 KN1		Program Management and Integration	KJ Kraemer	N Reactor Business Management
		1.3.1.3.1.01 KN101	Program Management	RJ Gimera	N Reactor Program Management
		1.3.1.3.1.02 KN102	Business Management	KJ Kraemer	N Reactor Business Management
	1.3.1.3.2 KN2		Shutdown Planning & Execution	RJ Gimera	N Reactor Program Management
		1.3.1.3.2.01 KN201	Continuity of Operations	RJ Pyzel	N Reactor Plant (General)
		1.3.1.3.2.02 KN202	Waste Handling	CD Lucas	Hazardous & Radiological Waste Control
		1.3.1.3.2.03 KN203	Waste Disposal	CD Lucas	Hazardous & Radiological Waste Control
		1.3.1.3.2.05 KN205	Facility Shutdown Execution	TH Gronewald	N Reactor Engineering
		1.3.1.3.2.06 KN206	Basin Cleanup	JL Walsh	Shutdown Management
		1.3.1.3.2.08 KN208	Patrol Assessment	VG Heiman	Patrol
		1.3.1.3.2.09 KN209	Safeguards and Security	FO Strankman	Security

Table 2-5. Work Breakdown Structure Index and Responsibility Assignment
Matrix - N Reactor (1.3.1.3).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
	1.3.1.3.3 KN3		Regulatory Response	JP Schmidt	Facility & Operations Assurance
		1.3.1.3.3.01 KN301	N Reactor Regulatory Response - Program Management	DJ Watson	Environmental Safety
		1.3.1.3.3.02 KN302	RCRA Facility Closure Activities	DJ Watson	Environmental Safety
		1.3.1.3.3.03 KN303	N Facility Compliance Modifications	DJ Watson	Environmental Safety
		1.3.1.3.3.04 KN304	100N Effluent Sampling & Monitoring	DJ Watson	Environmental Safety
		1.3.1.3.3.06 KN306	Shoreline Dose Reduction	DJ Watson	Environmental Safety
		1.3.1.3.3.07 KN307	N Area Operations Environmental Monitoring	JJ Dorian	Environmental Engineering Studies
		1.3.1.3.3.08 KN308	N Liquid Effluent Response	DJ Watson	Environmental Safety
		1.3.1.3.3.09 KN309	N Reactor Environmental Surveillance	BG Erlandson	Regulatory Field Support

Table 2-6. Work Breakdown Structure Index and Responsibility Assignment
Matrix - PUREX / UO₃ (1.3.1.4).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
1.3.1.4 KP			PUREX/UO ₃ Operations	JC Midgett	PUREX/UO ₃ Plant
	1.3.1.4.1 KP1		PUREX Surveillance & Maintenance	AA Grasher	PUREX Support
		1.3.1.4.1.01 KP101	PUREX Surveillance	RW Bailey	PUREX Operations
		1.3.1.4.1.02 KP102	PUREX Maintenance	GL Kunkle	PUREX/UO ₃ Maintenance
		1.3.1.4.1.03 KP104	PUREX Health & Safety	KW Gray	PUREX/UO ₃ Plant H&S
		1.3.1.4.1.04 KP105	PUREX Quality Assurance	CA Sams	PUREX/UO ₃ QA/QC
		1.3.1.4.1.05 KP107	PUREX Patrol Support	VG Heiman	Hanford Patrol
		1.3.1.4.1.06 KP103	PUREX Assessments	AA Grasher	PUREX Support
	1.3.1.4.2 KP2		UO ₃ Operations & Maintenance	AA Grasher	PUREX Support
		1.3.1.4.2.01 KP201	UO ₃ Operations	WE Ross	UO ₃ Plant Operations
		1.3.1.4.2.02 KP202	UO ₃ Maintenance	GL Kunkle	PUREX/UO ₃ Maintenance
		1.3.1.4.2.03 KP203	UO ₃ Support	WE Ross	UO ₃ Plant Operations

Table 2-6. Work Breakdown Structure Index and Responsibility Assignment
Matrix - PUREX / UO₃ (1.3.1.4).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
		1.3.1.4.2.04 KP204	UO ₃ Assessment	AA Grasher	PUREX Support
	1.3.1.4.3 KP3		Plant Support	AA Grasher	PUREX Support
		1.3.1.4.3.01 KP301	Purchased Support	ED Mueller	PUREX/UO ₃ Outage Plan/Mat Ctrl
		1.3.1.4.3.02 KP302	Work Control	LF Perkins	PUREX Work Control
		1.3.1.4.3.03 KP303	Safeguards & Security	DW Engel	Safeguards
		1.3.1.4.3.04 KP305	Inventory Change	EA Mueller	PUREX/UO ₃ Outage Plan/Mat Ctrl
		1.3.1.4.3.06 KP309	Engineering Support	RC Roal	PUREX Engineering
		1.3.1.4.3.07 KP310	Maintenance Engineering	GL Kunkle	PUREX/UO ₃ Maintenance
		1.3.1.4.3.08 KP311	Laboratory Analytical Support	TF Dale	Plant Analytical Lab
		1.3.1.4.3.09 KP312	200 Area Support Services	GL Kunkle	PUREX/UO ₃ Maintenance

Table 2-7. Work Breakdown Structure Index and Responsibility Assignment
Matrix - 300 Area Fuels Supply (1.3.1.5).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
1.3.1.5 K3			300 Area Fuels Supply	HL Debban	N Reactor Plant
	1.3.1.5.1 K31		Program Management & Integration	KJ Kraemer	N Reactor Business Management
		1.3.1.5.1.02 K3102	Business Management	KJ Kraemer	N Reactor Business Management
	1.3.1.5.2 K32		300 Area Operations	JA Remeize	Fuels Supply
		1.3.1.5.2.01 K3201	Continuity of Operations	JA Remeize	Fuels Supply
		1.3.1.5.2.02 K3202	Waste Handling	JA Remeize	Fuels Supply
		1.3.1.5.2.03 K3203	Waste Disposal	JA Remeize	Fuels Supply
		1.3.1.5.2.06 K3206	Fuel Supply Patrol Assessment	VG Heiman	Patrol
		1.3.1.5.2.07 K3207	Safeguards & Security - Fuel Supply Program	DW Engel	Safeguards
		1.3.1.5.2.11 K3211	313 Building Roof Repair	WA Frier	Life Extension Programs
	1.3.1.5.3 K33		Billet Shipment	JA Remeize	Fuels Supply
		1.3.1.5.3.03 K3303	Operations	JA Remeize	Fuels Supply

Table 2-7. Work Breakdown Structure Index and Responsibility Assignment
Matrix - 300 Area Fuels Supply (1.3.1.5).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
	1.3.1.5.4 K34		Regulatory Response	JP Schmidt	Facility & Operation Assurance
		1.3.1.5.4.01 K3401	300 Area Regulatory Response - Program Management	DJ Watson	Environmental Safety
		1.3.1.5.4.02 K3402	300 Area Regulatory Response - Environmental Survey	BG Erlandson	Environmental Safety
		1.3.1.5.4.03 K3403	300 Area Regulatory Response - RCRA Closures	DJ Watson	Environmental Safety
		1.3.1.5.4.04 K3404	300 Area Regulatory Response - RCRA NODS	DJ Watson	Environmental Safety
		1.3.1.5.4.05 K3405	300 Area RCRA Closure Implementation	DJ Watson	Environmental Safety
		1.3.1.5.4.06 K3406	Fuels Effluent Monitoring	DJ Watson	Environmental Safety

Table 2-8. Work Breakdown Structure Index and Responsibility Assignment
Matrix - Plutonium Finishing Plant (1.3.1.6).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
1.3.1.6 K6			PFP	EC Vogt	PFP Plant
	1.3.1.6.1 K6A		Facility Operations	EM Bensen	PFP Operations
		1.3.1.6.1.01 K6A01	Facility Operations	GB Chronister	Facilities Operations
		1.3.1.6.1.02 K6A02	Facility Ventilation & Power	GB Chronister	Facilities Operations
		1.3.1.6.1.03 K6A03	Health and Safety Routines	PI Linn	PFP/Lab Health & Safety
		1.3.1.6.1.04 K6A04	Solid Waste Handling	MD Bartlett	Environmental/Waste Operations
		1.3.1.6.1.05 K6A05	Operations Administration	CP Ames	Operations Analysis and Support
		1.3.1.6.1.06 K6A06	HAZNAT Waste Control	LJ Estey	Operations HAZMAT Waste Control
	1.3.1.6.2 K6B		Facility Administration	AE Schilling	PFP Administration & Training
		1.3.1.6.2.01 K6B01	Plant Management	PD Jensen	PFP Administration & Training
		1.3.1.6.2.02 K6B02	Base Assessments	JO Lundeen	PUREX/PFP Business Management
		1.3.1.6.2.03 K6B03	Environmental Assessments	JO Lundeen	PUREX/PFP Business Management
		1.3.1.6.2.04 K6B04	Operational Assurance	JR Carey	Conduct of Operations

Table 2-8. Work Breakdown Structure Index and Responsibility Assignment
Matrix - Plutonium Finishing Plant (1.3.1.6).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
		1.3.1.6.2.05 K6805	Training Management	JR Carey	PFP Training
		1.3.1.6.2.06 K6806	Plant Administration	PD Jensen	PFP Administration & Training
		1.3.1.6.2.08 K6808	Readiness Review Board	RA Eschenbaum	PUREX Support
		1.3.1.6.2.09 K6809	PRF Restart Program	EC Vogt	PRF Restart
	1.3.1.6.3 K6C		Facility Technical Support	CM Kronwall	PFP Engineering
		1.3.1.6.3.01 K6C01	Technical Support	LH Rodgers	PFP Engineering
		1.3.1.6.3.02 K6C02	Environmental Compliance	LA Garner	PFP Environmental Compliance
		1.3.1.6.3.03 K6C03	General Facility Support	JR Carey	Conduct of Operations
		1.3.1.6.3.04 K6C04	Configuration Control	GA Glover	PFP Plant Engineering
		1.3.1.6.3.05 K6C05	Facility Construction Support	RD Keck	PFP Systems & Technology
	1.3.1.6.4 K6D		Maintenance	CA Meldrom	PFP Maintenance
		1.3.1.6.4.01 K6D01	Corrective Maintenance	EM Larock	Field Support
		1.3.1.6.4.02 K6D02	Predictive Maintenance	EM Larock	Field Support

Table 2-8. Work Breakdown Structure Index and Responsibility Assignment
Matrix - Plutonium Finishing Plant (1.3.1.6).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
		1.3.1.6.4.03 K6003	General Maintenance Support	EM Larock	Field Support
	1.3.1.6.5 K6E		Work Control	MD Talbot	PFP Work Control
		1.3.1.6.5.01 K6E01	Outage/Operations Planning	TL Erickson	Outage & Preventative Maint. Planning
		1.3.1.6.5.02 K6E02	Material Management	SR Douglass	Materials & Planning
		1.3.1.6.5.03 K6E03	Spares Inventory Control	SR Douglass	Materials & Planning
		1.3.1.6.5.04 K6E04	Spares Inventory Change	SR Douglass	Materials & Planning
		1.3.1.6.5.05 K6E05	Job Control	TL Erickson	Outage & Preventative Maint. Planning
	1.3.1.6.6 K6F		Reactive Material Management	EM Benson	PFP Operations
		1.3.1.6.6.01 K6F01	Scrap Stabilization Operations	MD Bartlett	Environmental/Waste Operations
		1.3.1.6.6.02 K6F02	Conversion to Nitrate Operations	GB Chronister	PFP/RMC Operations
		1.3.1.6.6.05 K6F05	Process Area Maintenance	EM LaRock	Field Support
		1.3.1.6.6.06 K6F06	Process Quality & Tech Support	MJ Gibson	PFP Process Control
	1.3.1.6.7 K6G		Nuclear Material Storage	M Haas	PFP Operations

Table 2-8. Work Breakdown Structure Index and Responsibility Assignment
Matrix - Plutonium Finishing Plant (1.3.1.6).

PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
		1.3.1.6.7.01 K6G01	SNM Safe Storage	WD Bartlett	Environmental/Waste Operations
		1.3.1.6.7.03 K6G03	Storage/Shipping Maintenance	EM Larock	Field Support
		1.3.1.6.7.04 K6G04	Quality & Technical Support	LA Garner	PFP Environmental Compliance
	1.3.1.6.8 K6H		Safeguards & Security	WF Russell	PFP Plant
		1.3.1.6.8.01 K6H01	Patrol	VG Heiman	Hanford Patrol
		1.3.1.6.8.02 K6H02	Security Operations	JW Gideon	Security Operations 200W
		1.3.1.6.8.03 K6H03	Safeguards	DE Six	Safeguards
		1.3.1.6.8.04 K6H04	MSSA	MR Duncan	Analysis & Development
		1.3.1.6.8.05 K6H05	Plant SAS Coordination	AE Schilling	PFP Administration & Training

X TAB -

C. PROGRAM DELIVERABLES

The Program Deliverables section lists and describes the principal products or services that will be generated by the Facility Operations program in FY 1993. The program deliverables are grouped and listed for each program element.

C.1 Environmental Protection (1.3.1.10)

PUREX/UO₃ Plant Technology and Project Support (1.3.1.10.1)

- Prepare FDC and initiate a CDR for upgrading the air-emissions monitoring systems at PUREX and/or the UO₃ plant (if necessary to attain/maintain NESHAPs compliance and if negotiated with the EPA)
- Support design and construction for Tri-Party Agreement projects at PUREX and UO₃, including participating in monthly key schedule meetings and project management review meetings, preparing monthly project status and performance indicator reports, and budget planning and development for the 200 Area Treated Effluent Disposal Facility ([TEDF], W-049H)
- Prepare Engineering Studies (ES) for projects identified in FY 1993.

Plutonium Finishing Plant Technology and Project Support (1.3.1.10.2)

- Support design and construction for Tri-Party Agreement projects at the PFP, including participating in monthly key schedule meetings and project management review meetings, preparing monthly project status and performance indicator reports, and budget planning and development:
 - PFP closed-loop cooling (C-040)
 - Low-Level Waste Treatment Facility (B-680H)
 - Liquid effluent treatment (C-031H)
 - 200 Area Treated Effluent Disposal Facility (W-049H).
- Review the ES, submit an FDC to RL, and begin a CDR for the 234-5Z wasteline secondary containment upgrade
- Complete an ES to evaluate relocating the PFP waste water sampling station when the waste water stream is rerouted to the TEDF
- Prepare an FDC and initiate a CDR for upgrading the PFP air emissions monitoring system (if necessary to attain/maintain compliance with NESHAPs regulations and if negotiated with the EPA)
- Prepare ESs for projects identified in FY 1993

- Complete an FDC for PFP waste water miscellaneous streams to initiate line-item programming consistent with the Liquid Effluent Compliance Agreement with Ecology.

Environmental Support (1.3.1:10.3)

- Complete FY 1995 draft ADSs for Environmental Protection activities
- Complete draft of the Facility Operation 1994 Fiscal Year Work Plan (FYWP)
- Respond to DOE and Ecology requests for budget, schedule, or progress status
- Update FEMPs for PFP, PUREX, and the UO₃ plant
- Procure "ABCASH" system for PFP air monitoring system
- Prepare and submit the annual Hanford Air Emissions Report to EPA
- Complete line loss study of PUREX air emission monitoring system
- Submit revised PUREX secondary containment equivalency petition to Ecology
- Complete tank integrity assessments (TIA) of those PUREX dangerous waste tanks used during standby and submit the TIA report to Ecology
- Complete tank integrity assessments of PFP dangerous waste tanks and submit TIA report to Ecology
- Prepare or update waste minimization plans and reports, including process waste assessments, as necessary to comply with WAC 173-307, "Pollution Prevention Plans (Ecology 1991)" and implement RCRA permit provisions.
- Develop a management plan for future PUREX permit/closure plan preparation, including criteria for closing a canyon facility.
- Modify PFP and PUREX RCRA permits as necessary to maintain accuracy and currency.

Deliverables On Hold Pending Future Decisions/Funding Availability

The following projects (including FDC and CDR preparation and design and construction activities) were canceled or placed on hold because of funding constraints:

- UO₃ Plant Process Condensate Loadout Upgrade (PUREX/UO₃ Restart)
- 211-U Chemical Storage Area Upgrade, C-075 (PUREX/UO₃ Restart)

- PUREX Steam Condensate Treatment Facility, C-103 (PUREX/ UO_3 Restart)
- PUREX Cooling Water Recycle (PUREX/ UO_3 Restart)
- PUREX ASD/PDD Lift Station (PUREX/ UO_3 Restart)
- PUREX Chemical Sewer Line Replacement/Relining, C-124 (PUREX/ UO_3 Restart)
- PFP Miscellaneous Streams Waste water Disposal, C-116
- PFP Enclosed Material Handling Facility, C-023
- PFP Waste Reduction/Solidification, C-130.

The following RCRA permitting activities were canceled or placed on hold because of funding constraints:

- Part A and B permit applications for PFP SNM mixed waste (DOE decision required)
- Part B permit applications and/or closure plans for PUREX and PFP
- Responses to Ecology's NODs on the PUREX tunnels Part B permit application.

The following environmental cleanup activity was canceled or placed on hold because of funding constraints:

- Interim stabilization of 216-E-16 rail spur.

The following activities may require change requests to obtain additional funding once scope is fully defined:

- Test HEPA filters, conduct assessments, prepare ESs and develop related methodologies and action plans as necessary to reach and implement an agreement with EPA regarding compliance with NESHAPs regulations.
- Planning, conducting, and documenting air emissions inventories at PFP, PUREX, and UO_3 to provide supplemental information for the Hanford Air Operating Permit being prepared in accordance with the *Clean Air Act Amendments of 1990*.
- Efforts to identify and reduce ozone depleting substances.
- Depackaging, analyzing, shipping, and disposing of "legacy" waste containers.
- Corrective actions for deficiencies identified in tank integrity assessments.

- To the extent liquid effluent program funding is not available for implementing sampling and analysis plans, assessing receiving sites, preparing FBCs/CDRs for BAT/AKART projects, providing input to miscellaneous stream permitting etc.

C.2 Program Direction and Support (1.3.1.11)

Facility Operations Program Administration (1.3.1.11.1)

- Submit monthly SMS Report to RL
- Submit monthly PTS Report to RL
- Submit the 1994 FYWP to RL by September 30, 1993
- Submit the multi-year program plan, (MYPP) to RL
- Submit ADSs to support the 1995 five-year plan to RL by May 31, 1993
- Submit Operation and Transition program's monthly report to Facility Operations and the Business Management manager
- Submit a draft Hanford Site Materials Management Plan to RL
- Submit monthly scrap evaluation report to RL
- Prepare quarterly performance indicator report for DOE-RL
- Conduct the monthly Nuclear Operations Improvement Council meeting
- Conduct the monthly Operational Excellence Steering Committee meeting
- Prepare Facility Operations self-assessment performance objectives and criteria by January 31, 1993
- Close-out Price Anderson Assessment activities by December 31, 1992
- Issue seismic evaluation guide document (CAR 91-002) by December 31, 1992
- Complete PFP storage pedestal study and submit to DOE-RL.

Assessments (1.3.1.11.2)

- Provide payment of the Bonneville Power Administration (BPA) energy tax for energy saving studies.

Facility Operations Technical Training (1.3.1.11.3)

- Complete PRF Restart Training by December 15, 1992

- Provide operator, supervisor, technician, and maintenance training to PUREX, PFP, and UO₃ plant personnel
- Develop facility-specific training for PFP, PUREX, and UO₃ plant personnel
- Initiate leadership training for supervisor candidates at PFP, PUREX, and the UO₃ plant
- Provide conduct of operations training for PFP, PUREX, and the UO₃ plant to supervisors, operators, and maintenance personnel.

Facility Operations Safeguards and Security (1.3.1.11.4)

- Submit Safeguards and Security (SAS) monthly status summary report to the Westinghouse Hanford SAS manager
- Issue the 200 Areas security operations report monthly
- Issue a material control storage availability data sheet monthly
- Issue update of the SAS issues status report every 6 mo.

PUREX/UO₃ Plant Technology Development (1.3.1.11.5)

This program activity will not be funded until the shutdown-versus-standby program decision is made.

PFP Technology Development (1.3.1.11.6)

- Submit draft study of SNM stabilization operations to reviewers in accordance with WHC-CM-5-5 Vol. 2 (WHC, 1988b) by September 30, 1993
- Submit Draft C-021, PFP services and utility ES to reviewers in accordance with WHC-CM-5-5, Vol. 2 by September 30, 1993
- Submit PFP systems and technology and projects monthly reports to the PFP engineering manager.

Advanced Planning and Technology Development (1.3.1.11.7)

- Submit the Plutonium Process Support Laboratory monthly report to Development Engineering manager
- Submit PFP SNM process options ES and recommendation letter to reviewers in accordance with WHC-CM-5-5 Vol. 2
- Submit final cost projection modeling inputs to DOE-RL by March 31, 1993

- Decontaminate one drum of Z-9 soil by July 31, 1993
- Complete Z-9 soil decontamination report by September 30, 1993
- Complete study of SAFEKEG versus new shipping containers by June 30, 1993.

Facility Operations NEPA Documentation (1.3.1.11.8)

- Provide irradiated fuels EIS scoping letter to DOE-RL by September 30, 1993
- Submit summary information document for storage of existing irradiated fuels to reviewers in accordance with WHC-CM-5-5 Vol. 2 by September 30, 1993
- Submit summary information document for enhanced storage of existing irradiated fuels to reviewers in accordance with WHC-CM-5-5 Vol. 2 by September 30, 1993
- Submit draft fuel stabilization database ES to reviewers in accordance with WHC-CM-5-5, Vol. 2 by September 30, 1993
- Submit draft fuel stabilization database flowsheet document to reviewers in accordance with WHC-CM-5-5, Vol. 2 by September 30, 1993
- Submit draft alternative storage database ES to reviewers in accordance with WHC-CM-5-5, Vol. 2 by September 30, 1993

C.3 Department of Energy Order Compliance (1.3.1.12)

Department of Energy Order Compliance (1.3.1.12.1)

- Complete data entry of DOE Order Compliance Self-Assessment Pilot Program (VIA graded approach) documentation including the following:
 - Request For approvals compliance schedule approvals (CSA)
 - Short-term compliance schedules (STCS)
 - Exemption requests in requirements self-assessment database (RSAD) and QUEST database
- Complete DOE Order Compliance Self-Assessment Pilot Program activities to support facility restart and encapsulation activities at UO₃ plant, K Basins, and PFP
- Track to closure on QUEST the corrective actions documented in the request for approvals for UO₃ plant, K Basins, and PFP
- Implement the Long-Term DOE Order Compliance Self-Assessment Program factoring in lessons learned from the pilot program for the remaining 93 Level 1 DOE orders by the end of FY 1993.

C.4 K Basins (1.3.1.2)

Program Management and Integration (1.3.1.2.1)

- Submit 1993 FYWP to RL
- Submit MYPP to RL
- Submit ADSs to support the 1995 five-year plan to RL
- Complete FY 1993 budget planning
- Provide monthly reporting to meet SMS, PTS, internal, and external requirements.

K Basin Operations (1.3.1.2.2)

- Provide industrial, nuclear safety, and radiological protection of personnel, facilities, and the environment, and ensure compliance with applicable requirements.
- Provide Criticality Safety coverage in compliance with WHC-CM-4-29 (WHC, 1988a) and DOE Order 5480.5 (DOE, 1992a).
- Provide responsive nuclear safety procedure reviews to support issues for new operating procedures, revisions, and upgrades.
- Provide adequate personnel to support waste shipments to the 200 Area burial facilities.
- Provide new or revised radiation work procedures (RWPs) and health physics technicians (HPT) for normal day-to-day activities, cartridge-filter changeouts, ion column changeouts, RWP ion exchange module (IXM) changeouts, and radioactive waste/material handling. This is accomplished by writing 900 radiation survey reports, 125 radiological problem reports and 75 radiation work permits for 100-K.
- Provide routine surveys to ensure that contamination and radiation levels are maintained as low as reasonably achievable (ALARA). This is accomplished by performing 1,680 routine task assignments at 100-K.
- Complete operations patrol once a day.
- Obtain weekly water quality samples.
- Complete ion exchange changeout to maintain minimum radiological levels.
- Schedule, status, and distribute calendar of events for required training for K Basin personnel once a month.

- Maintain and support operational readiness procedure (ORPs) reporting requirements for K Basins per DOE Order 5000.3A(B) (DOE 1990).
- Maintain current process standards to ensure compliance with Operational Safety Requirements.
- Upgrade the K Basin Leak Rate Process Standard to incorporate evaporation corrections, the use of daily level data, and the statistical treatment of results by September 30, 1993.
- Develop a plan for implementing new DOE safety orders, 5480.22 (DOE 1992b) and 5480.23 (DOE 1992c) by June 30, 1993.
- Provide engineering support for needed upgrades, system problems, and to ensure that systems and equipment currently in use are operated and maintained as designed. Issue 48 engineering change notices (ECNs) at an average of 12 per quarter.
- Provide Quality Assurance support for all K Area activities, including reviewing purchases, requisitions, work packages, and design modifications. On a quarterly basis, perform the following reviews for maintenance activities: 125 standby surveillance procedure (SSPs) 100 preventive maintenance (PMs) procedure, 50 routine work packages. Review 10 ECNs to support Engineering functions; review 60 J-1s; 12 operational procedures, 12 maintenance procedures, and 5 administrative procedures; also, perform 50 inspections and 12 surveillances for K Basins and supporting organizations.
- Obtain quarterly water-quality samples.
- Provide support for K Basin emergency preparedness requirements and activities, coordinating a minimum of 4 drills annually, in conjunction with building emergency plan reviews and updates.
- Provide maintenance support for performing required and routine preventive and corrective maintenance activities - perform the following activities on a quarterly basis: 200 SSPs, 165 PMs, 165 routine tasks, and complete 85 backlogged J-3s.
- Provide personnel to support the proper handling, segregation, compaction, packaging, and storage of 1,025 ft³ of low-level radioactive waste from K Area before shipment to the 200 Area burial grounds.
- Provide personnel to obtain approximately 300 air and water samples to support the K Area sampling requirements based on National Pollutant Discharge Elimination Systems (NPDES) permits, process standards, and technical specifications.
- Provide JCS support including administration, statistical reporting, and tracking of Work Packages. Provide Plans of the Day (POD) and Plans of the Week (POW) for operations and maintenance support. Support completion of 500 activities per quarter including work

packages, standby surveillance procedures, J-3s, and preventive maintenance items.

- Provide leadership and documentation requirements for using the priority planning grid (PPG) on all corrective actions and other division requirements.
- Prepare documentation for packaging and shipping low-level, hazardous and radioactive mixed waste.
- Perform waste characterization.
- Provide for accountability requirements pertaining to specific wastes
- Ship low-level waste, hazardous waste, and radioactive mixed waste to waste burial.

K Basin Upgrades (1.3.1.2.3)

- Complete Phase II and III of the 105KE/105KW seismic analysis
- Perform independent design review
- Perform 105-KE/105-KW facility upgrades engineering study
- Repackage and encapsulate 1,840 canisters into Mark II (MKII) canisters by the end of FY 1993
- Issue Engineering Change Notice (ECN) for 105-KE roof panel shoring

Regulatory Response (1.3.1.2.4)

- Provide data required by Ecology for 1706 KW RCRA Part A withdrawal
- Submit Tri-Party-Agreement quarterly progress report
- Provide effluent sampling information for annual effluent release report
- Provide necessary input to site environmental surveillance report
- Provide for preliminary studies and design for 105-KE/KW building facility effluent monitoring system upgrades.

C.5 N Reactor (1.3.1.3)

Program Management and Integration (1.3.1.3.1)

- Prepare monthly reporting to meet SMS, PTS, internal, and external requirements

- Submit 1993 FYWP work plan to RL
- Submit MYPP plan to RL
- Submit ADSs to support the 1995 five-year plan to RL
- Complete FY 1993 budget planning.

Shutdown Planning and Execution (1.3.1.3.2)

- Complete potable water modification by July 1, 1993.
- Complete fire protection system tie-in to the Hanford Export Water System by April 1, 1993.
- Dispose of required low-level, hazardous, and radioactive waste.
- Vacate 109-N and 108-N by December 1, 1992.
- Remove non-excessable chemicals from 109-N lab for disposal by April 30, 1993.
- Deactivate 163-N by January 1, 1993.
- Vacate 184-N by January 1, 1993.
- Vacate 182-N by March 1, 1993.
- Modify 1119-N by April 1, 1993.
- Refurbish 1112-N for occupancy by April 1, 1993.
- Repair 182-N roof by June 30, 1993.
- Decontaminate 500 ft² by September 30, 1993.
- Dispose of contaminated oil tanker.
- Upgrade multi-channel analyzer (MCA) drum counter.
- Dispose of 109-N laboratory excessable chemicals by June 30, 1993.
- Dispose of 1,400 ft³ of low-level waste (LLW) by September 30, 1993.
- Dispose of 212 drums of hazardous waste by September 30, 1993.
- Dispose of 100 ft² of radioactive mixed waste by September 30, 1993.
- Prepare documentation for packaging and shipping low level, hazardous and radioactive mixed waste.
- Perform waste characterization.

- Provide for accountability requirements pertaining to specific wastes.
- Provide industrial, nuclear safety and radiological protection of personnel, facilities and the environment and ensure compliance with applicable requirements.
- Provide personnel to support the proper handling, segregation, compaction, packaging and storage of 1,400 ft³ of LLW waste from N Area before shipment to the 200 Area burial grounds.
- Provide engineering support for needed upgrades, system problems, and to ensure systems and equipment currently in use are operated and maintained as designed. Issue 36 ECNs at an average of 9 per quarter.
- Provide Quality Assurance support for all N Area activities which include review of purchase requisitions, work packages, and design modifications. On a quarterly basis, perform the following reviews for maintenance activities: 100 SSPs, 75 PMs, and 50 routine work packages. Review 9 ECNs to support engineering functions, review 20 J-1s, 10 operational procedures, 10 maintenance procedures, 10 administrative procedures, and 100 purchase requisitions. Also perform 50 inspections and 7 surveillances for N Reactor and supporting organizations.
- Maintain current process standards to ensure compliance with OSRs.
- Perform surveillances and safety checks to ensure personnel safety and satisfy all process standards, technical specifications and OSRs. Prepare 115 SSPs and 90 PMs procedures per quarter.
- Provide HPT support for normal day-to-day activities including radioactive waste/material handling by writing 940 radiation survey reports, 125 radiological problem reports and 48 radiation work permits for 100-N.
- Provide routine surveys to ensure contamination and radiation levels are maintained ALARA. This is accomplished by performing 1,837 routine task assignments at 100-N.
- Complete operations patrol once per shift.
- Provide personnel to obtain approximately 212 air and water samples to support the N Area sampling requirements based on NPDES permits, process standards, and technical specifications.
- Provide responsive nuclear safety procedure reviews to support issues for new operating procedures, revisions, and upgrades.
- Provide routine audits and testing of standard and safety systems. These tasks include 282 audits and tests of annunciators, evacuation alarms, and other alarms per quarter. Performing 78 safety equipment

and system tests per quarter on the following items: radios, safety showers, air packs, fire valves, fire barriers, and emergency exits. Perform 96 lock and tag audits per quarter.

- Provide laundry-sorting and mask-washing services at a rate of 175 bags of laundry and 100 boxes of masks per year.
- Provide readiness reviews for N Reactor.
- Provide pest, animal, and weed control services for the 100-N Area. Services must meet all environmental and OSHA requirements for application employing licensed applicators. Weed control will include one application per year at N Springs and N Reactor general areas. Six spot applications for weed control will be performed per year.
- Provide JCS support including administration, statistical reporting, and tracking of work packages. Provide PODs and POWs for operations and maintenance support. Support completion of 500 activities per quarter including work packages, SSPs, J3s, and PMs.
- Provide leadership and documentation requirements for using the PPG on all corrective actions and other division requirements.
- Ensure compliance with the fire system requirements found in DOE Order 5480.7 (DOE 1980), *National Fire Protection Association Guidelines* (DOE, 1987) and WHC-CM-4-1 Section 4.2 (WHC 1992).
- Provide skills training for N Area Maintenance and Operation personnel.
- Provide industrial, nuclear safety, and radiological protection of personnel, facilities and environment. Ensure compliance with applicable requirements.
- Develop a plan for implementing new DOE Safety Orders 5480.22 (DOE 1992b) and 5480.23 (DOE 1992c) by June 30, 1993.
- Support N Reactor emergency preparedness requirements and activities, coordinating a minimum of 4 drills annually, in conjunction with building emergency plan reviews and updates.
- Preliminary Engineering and work package initiation in preparation for shutdown activities in FY 1994.
- Complete final determination of procurement of Basin cleanup services by sub-contractor. If necessary complete contractor scope of work, award Basin cleanup contract and submit required NEPA documentation to DOE.

Regulatory Response (1.3.1.3.3)

- Conduct monthly interface meeting with EPA and Ecology
- Complete the sampling analysis plan for 1301-N by September 30, 1993
- Complete facility description and operative history of 1301-N, 1325-N and the 1324-N/NA RCRA closure plan
- Provide required characterization and system upgrades for 100-N Sanitary Waste Treatment Facility
- Complete N Reactor shoreline dose reduction environmental assessment by September 30, 1993
- Submit Tri-Party-Agreement quarterly progress report
- Complete draft of 100-N RCRA closure strategy September 30, 1993
- Complete quarterly environmental trend reporting by February 1, 1993
- Complete annual effluent release report by June 1, 1993
- Submit annual effluent data input to Pacific Northwest Labs (PNL) Environmental Report by February 1993
- Support issuance of WHC Annual Operational Environmental Monitoring Report for near field environmental surveillance
- Submit the annual air emissions report (NESHAPS) by March 1, 1993
- Submit Effluent Information System and Onsite Discharge Information System (EIS/ODIS) report to Idaho National Engineering Laboratory (INEL), Idaho Falls by March 1, 1993.
- Submit annual Hanford drinking water report for the 100 Areas by March 1, 1993
- Submit monthly NPDES discharge monitoring reports
- Perform routine airborne and liquid effluent monitoring, sampling, and analysis
- Complete characterization and remedial action plan for the 100-N service station underground storage site by June 30, 1993
- Initiate engineering for effluent monitoring system upgrades by January 30, 1993
- Provide input and reviews to DOE-RL program planning efforts
- Develop conceptual design requirements for isolating 132S-N Liquid Waste Disposal Facility. This effort also includes revising safety

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analyses and operating procedures, and assessing existing liquid storage tanks for future use.

- Provide data and information describing N Reactor effluent characterization for permitting activities associated with project C-108, i.e. delisting petition, RCRA Part B permit, and WAC 173-216 Solid Waste Discharge permit.
- Perform a design/operating impact assessment on Project C-018 unit operations based on N Reactor effluent characterization which is radiologically hotter than the 242A Evaporator overhead steam, which is one of the feeds to C-108.
- Sample the 100-N sewer lagoon and contributing streams, and 183-N Filter Backwash Pond for the 1994 216 Solid Waste Discharge permit.

C.6 PUREX/UO₃ Operations (1.3.1.4)

PUREX Surveillance and Maintenance (1.3.1.4.1)

- Initiate execution of shutdown activities pending funding availability
- Perform 5,000 field surveillances each week
- Perform 250 calibrations each month
- Complete 90 PMs work packages each month
- Complete 80 corrective maintenance work packages each month
- Perform 450 to 500 operationally related ticklers each month
- Perform approximately 530 laboratory analyses each month

UO₃ Operations and Maintenance (1.3.1.4.2)

- Complete UO₃ stabilization campaign by December 31, 1992
- Limit UO₃ Wastewater Flow to 250 gal/min by December 31, 1992
- UO₃ Transition to minimum safe standby
- Prepare UO₃ standby program plan
- Initiate execution of shutdown activities pending funding availability.

Plant Support (1.3.1.4.3)

- Complete SNM Inventories.
- Provide JCS for 1,600 planned and unplanned work packages.

C.7 300 Area Fuels Supply (1.3.1.5)

Program Management and Integration (1.3.1.5.1)

- Complete FY 1993 budget planning.
- Submit 1993 FYWP to RL.
- Submit MYPP to RL.
- Submit ADSs to support the 1995 five-year plan to RL.
- Provide monthly reporting to meet SMS, PTS, internal, and external requirements.

300 Area Operations (1.3.1.5.2)

- Consolidate SNM storage to eliminate SNM storage in Building 313 by September 30, 1993.
- Excess essential material presently stored in Building 3712 by June 30 1993.
- Remove and dispose of chemicals accumulated for disposal, as well as radioactive, hazardous, or mixed wastes by September 30, 1993.
- Concrete pyrophoric mixed waste by May 5, 1993.
- Complete safety envelope documentation by September 30, 1993.
- Complete removal, sampling, and disposal of hydraulic fluid from the Lowery Press by June 30, 1993.
- Provide industrial, nuclear safety and radiological protection of personnel, facilities, and the environment and ensure compliance with applicable requirements.
- Provide the proper handling, segregation, packaging and storage of all types of waste before shipment to the appropriate disposal facilities.
- Obtain engineering support for needed upgrades, system problems, and to ensure systems and equipment currently in use are operated and maintained as designed.

- Obtain Quality Assurance support for all 300 Area Fuel Supply activities, including review of purchase requisitions, work packages, and design modifications.
- Perform activities according to approved procedures and ensure compliance with OSRs.
- Perform surveillances and safety checks to ensure personnel safety and satisfy all Operational Safety Requirements.
- Obtain HPT support for normal day-to-day activities including radioactive waste/material handling.
- Obtain routine surveys to ensure that contamination and radiation levels are maintained ALARA.
- Obtain responsive nuclear safety procedure reviews to support issues for new operating procedures, revisions, and upgrades.
- Inventory SNM and rearrange for accessibility.
- Complete 15 additional issues related to site electrical assessment.
- Maintain Sutton Press Hanford Metal Working Facility in an appropriate condition for privatization.
- Resolve future disposition of Sutton Press Hanford Metal Working Facility.
- Place Fuels Supply on layup status according to the schedule.
- Provide pest, animal, and weed control services for the 300 Area Fuels Supply Facility. Services must meet all environmental and OSHA requirements for application employing licensed applicators.
- Obtain JCS support including administration, statistical reporting, and tracking of work packages.
- Ensure compliance with the fire system requirements found in DOE Order 5480.7 (DOE 1980), *National Fire Protection Association Guidelines* (DOE 1987) and WHC-CM-4-1 Section 4.2 (WHC 1992).
- Provide skills training for the 300 Area Fuels Supply Operation's personnel.
- Develop a plan for implementing new DOE safety orders, 5480.22 (DOE 1992b) and 5480.23 (DOE 1992c) by June 30, 1993.
- Complete roof integrity inspection of Fuels Supply buildings.
- Complete pyrophoric material cleanup in 313 hot shop and 333 hot shop drain and Desanno saw trench.

- Prepare WHC-CM-5-35, *Fuels Supply Operations Control Manual*.

Billet Shipments (1.3.1.5.3)

- Ship balance of 326 metric tons of uranium billets for transport to the United Kingdom by May 5, 1993.
- Dispose of LLW resulting from billet packaging.

Regulatory Response (1.3.1.5.4)

- Continue preparation of RCRA Closure Plan for the 303M Oxide facility if required.
- Begin the approval cycle for the 300 waste acid treatment systems, the 303K Storage Facility, and 303M Oxide Facility closure Plans.
- Begin the approval cycle for the 304 Concretion Facility, 300 Area Solvent Evaporator, and 300 Area Solvent Evaporator closure plans.
- Submit Tri-Party Agreement quarterly program reports.
- Provide effluent sampling information for annual effluent release reports.
- Develop planning and budget baseline documentation for regulatory response requirements.
- Perform routine monitoring and surveillance of facilities, work activities, and waste management activities.
- Obtain regulator approval on Tri-Party Agreement change request for 303M Oxide Facility by January 31, 1993.
- Start 303M Oxide Facility closure plan preparation by February 28, 1993.
- Develop concrete analysis procedure by June 30, 1993.
- Receive 300 Area Solvent Evaporators (ASE) approval from Ecology by March 31, 1993.
- Provide input to annual effluent release report EIS/ODIS and PNL annual report.
- Submit annual Air Emissions Report (NESHAPS) by March 1, 1993.
- Submit EIS/ODIS Report to INEL, Idaho Falls by March 1, 1993.
- Submit annual Hanford Site drinking water report for 100 Area by March 1 1993.

- Submit monthly NPDES discharge monitoring report.
- Perform routine airborne and liquid effluent monitoring, sampling, and analysis.
- Issue letter of instruction to start engineering study on air monitoring systems by October 15, 1992.
- Issue engineering study for comment by February 15, 1993.
- Obtain WHC approval of engineering study of air monitoring systems by March 30, 1993.
- Start preparation of air monitoring FDC by December 31, 1992.
- Issue Air Monitoring FDC for review/approval by February 28, 1993.
- Obtain WHC approval of Air Monitoring FDC/start CDR by April 30, 1993.
- Complete 60% review of Air Monitoring CDR by August 15, 1993.
- Conduct routine sampling and analysis of environmental media by February 1, 1993.

C.8 Plutonium Finishing Plant (1.3.1.10)

Facility Operations (1.3.1.6.1)

- Complete facilities surveillance upgrade training in support of PRF startup by January 1, 1993.
- Complete power operator upgrade training in support of PRF startup by January 1, 1993.
- Reduce backlog of TRU waste drums needing repackaging by 50 drums.
- Ship 350 LLW drums to Central Waste Complex (CWC) by August 31, 1993.
- Reduce backlog of TRU waste drums from 350 to 100 by August 31, 1993.
- Reduce backlog of TRU and LLW burial boxes to zero by September 30, 1993.
- Implement the PFP winterization program.
- Implement Hazardous Material Management Plan by December 31, 1992.

Facility Administration (1.3.1.6.2)

- Implement program to disposition unreviewed safety questions (USQ) by December 24, 1992.
- Develop facility self-assessment plan by September 1, 1993.
- Review personnel training in accordance with the final safety analysis report (FSAR) by June 30, 1993.
- Develop and implement plan for conduct of operations performed in support of PRF restart by January 15, 1993.
- Upgrade performance indicator program by July 31, 1993.
- Provide training evaluation in support of PRF restart in accordance with the training run test plan by January 1, 1993.
- Prepare 1994 FYWP by September 30, 1993.
- Perform annual property management audit by August 31, 1993.
- Prepare MYPP by May 30, 1993.
- Conduct eight emergency preparedness drills by September 30, 1993.
- Update *Building Emergency Plan* by December 30, 1992.
- Complete PRF affidavit review/approval by October 18, 1992.
- Submit PRF Restart declaration-of-readiness letter to RL by January 1, 1993.
- Obtain PFP FSAR approval from DOE-HQ by October 23, 1992.
- Initiate PRF integrated system checkout by December 4, 1992.
- Provide monthly input to SMS.
- Provide monthly input to the PTS.

Facility Technical Support (1.3.1.6.3)

- Initiate PFP FSAR annual update by March 31, 1993.
- Install (Criticality) code on site computer by September 30, 1993.
- Complete process waste assessment by April 30, 1993.
- Complete FY 94 solid waste forecast by June 30, 1993.
- Submit air emissions inventory by May 30, 1993.

- Complete definitive design, PFP LLW Treatment Facility (B-680H) (M-17-16C) by December 31, 1992.
- Implement PRF Restart FSAR by January 15, 1993.
- Complete field verifications of essential and support drawings by August 1, 1993.
- Prepare Phase II shift technical advisor training module by February 1, 1993.
- Issue plan for rebalancing PFP heating, ventilation, and air conditioning (HVAC) system by May 1, 1993.
- Update the PFP safety and risk assessment by March 1, 1993.
- Issue PFP septic systems options study by March 18, 1993.
- Complete Room 211-6 conversion to material storage by December 18, 1992.
- Complete maintenance space upgrades ES by September 30, 1993.
- Complete radioactive acid digestion test unit (RADTU) upgrades ES by September 30, 1993.

Maintenance (1.3.1.6.4)

- Develop safety-related PMs procedures by January 15, 1993.
- Maintain a maximum 3% delinquency rate on PMs activities.

Work Control (1.3.1.6.5)

- Develop Glovebox HC-60 schedule by April 1, 1993.
- Develop Glovebox HA-21I schedule by July 1, 1993.
- Develop RMC schedule by September 1, 1993.
- Plan a minimum of 50 work control packages per month.
- Plan a minimum of 100 material order documents per month.
- Input OSR surveillance requirements to Preventive Maintenance module by January 20, 1993.
- Implement preventive maintenance and surveillance module by January 6, 1993.

Reactive Material Management (1.3.1.6.6)

- Certify all Nuclear Process Operators to HC-60 Operations Procedures by March 31, 1993.
- Issue PRF updated operating documents by January 15, 1993.
- Complete preparations for Glovebox HC-60 restart by August 31, 1993.
- Restart Glovebox HC-60 for scrap stabilization by September 30, 1993.
- Complete PRF training run plan by January 15, 1993.
- Initiate and operate PRF after receiving DOE restart direction.
- Perform safeguards inventory audit 6 wk after PRF restart.
- Perform integrated process systems checkout for PRF restart by November 30, 1992.
- Initiate hands-on training in organic cleanup and solvent extraction by October 5, 1992.
- Initiate equipment modifications to support RMC startup by September 1, 1993.
- Change 234-Z HEPA filters in Filter Boxes 1 and 2.
- Issue Glovebox HA-21I furnace test plan by November 9, 1992.
- Issue updated PRF process control plan by January 15, 1993.
- Complete PRF stabilization run initial phase by 6 wk after restart.
- Issue updated HC-60 operating documents by March 8, 1993.
- Remove plutonium in 232-Z pipes and ducts.
- Issue PRF campaign report by September 30, 1993.

Nuclear Material Storage (1.3.1.6.7)

- Complete PFP annual SNM inventory by September 8, 1993.
- Negotiate shipper/receiver plan for Lawrence Livermore National Laboratory (LLNL) shipment by June 30, 1993.
- Receive LLNL SNM as required by DOE by September 30, 1993.

Nuclear Material Storage (1.3.1.6.8)

- Conduct bimonthly SNM inventories.
- Perform monthly preventive maintenance of security equipment.
- Perform quarterly tests of security systems.
- Complete the annual revision to the PFP vulnerability assessment by August 30, 1993.
- Provide 24-hr patrol coverage of the PFP Protected Area.

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SECTION III

PROGRAM SCHEDULE BASELINE

3.0 PROGRAM SCHEDULE BASELINE

This section outlines the schedule baseline for the Facility Operations program. The schedule baseline includes all applicable FY 1993 milestones of the DOE-HQ, RL, and the Tri-Party Agreement. Supporting documentation for the program schedule baseline is also provided:

- Milestone control log
- Summary program master schedule

More detailed information about the program milestones and schedule are provided in the appendices for each program element:

- Milestone description sheets
- Master program schedules

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A. PROGRAM MILESTONES

The Milestone Control Log (Table 3-1) lists the DOE-HQ, DOE-RL, and Tri-Party Agreement milestones that apply to the Facility Operations program in FY 1993. The milestone control log will be used to document changes to the schedule baseline via a Class I change request approved by DOE-RL. Detailed information about each of the milestones is provided in the Appendix (Milestone Description Sheets) for each program element

Table 3-1. Facility Operations Program Milestone Control Log.

MILESTONE		ACTIVITY DATA SHEET	MILESTONE DESCRIPTION	ORIGINAL BASELINE COMPLETION DATE	REVISION NUMBER DATE	CIN CHANGE AUTHORITY	ACTUAL COMPLETION DATE
TYPE	NUMBER						
ENVIRONMENTAL PROTECTION (1.3.1.10)							
DOE-RL		4100	Submit PUREX Tank Integrity Assessment Report	3/31/93			
DOE-RL		4100	Submit PFP Tank Integrity Assessment Report	3/31/93			
DOE-RL		4100	Submit revised request for PUREX Secondary Containment Equivalency To DOE-RL	3/31/93			
PROGRAM DIRECTION & SUPPORT (1.3.1.11)							
DOE-RL		4100	Submit Draft Hanford Materials Management Plan to DOE-RL	9/15/93			
DOE-RL		4100	Initiate PFP NEPA Documentation, Scoping, and Planning	4/03/93			
DOE-RL		4100	Complete Scoping of Irradiated Fuel EIS	9/30/93			
K BASINS (1.3.1.2)							
DOE-RL		4110	Complete Sludge Removal from KE Discharge Chute	4/06/92	11/30/92		
DOE-RL		4110	Initiate KE Basin Fuel Encapsulation	6/01/92	1/31/93		
DOE-RL		4110	Complete Encapsulation of 500 Fuel Canisters in K East Basin	9/30/92	6/30/93		
			N REACTOR (1.3.1.3)				
DOE-RL		4120	Complete Disposition of Sodium Hydroxide/Sulfuric Acid	6/30/92	6/30/93		
DOE-RL		4120	Issue N Reactor Closure Plan	12/16/92			

Table 3-1. Facility Operations Program Milestone Control Log.

MILESTONE		ACTIVITY DATA SHEET	MILESTONE DESCRIPTION	ORIGINAL BASELINE COMPLETION DATE	REVISION NUMBER DATE	CIN CHANGE AUTHORITY	ACTUAL COMPLETION DATE
TYPE	NUMBER						
DOE-RL		4120	Complete Export Water Tie-in	6/30/92	4/1/93		
DOE-RL		4120	Transmit W Reactor Shoreline Dose Reduction Environmental Assessment to DOE-RL	9/30/93			
PUREX/UO ₃ OPERATIONS (1.3.1.4)							
DOE-RL		4130	Complete UO ₃ Campaign	3/31/92	12/31/92		
TPA M-17-17D		4130	Limit UO ₃ Wastewater Flow to 250 gpm	12/31/92			
300 AREA FUEL SUPPLY (1.3.1.5)							
TPA M-20-30		4150	Transmit 303M Oxide Facility Closure Plan to DOE-RL	10/30/92			
PLUTONIUM FINISHING PLANT (1.3.1.6)							
TPA M-17-16C		4170	Complete Definitive Design PFP Low-Level Waste Treatment Facility (B-680H)	12/31/92			4/23/92
DOE-HQ		4170	Submit Declaration of Readiness for PRF Restart	9/30/92	1/20/93	F0-007-92	

Figure 3-1. Facility Operations Program Milestone Reconciliation Changes
from the Draft FYWP to the Final FYWP.

MILESTONE TYPE	ACTIVITY DATA SHEET	MILESTONE DESCRIPTION	DRAFT FYWP COMPLETION DATE	NO CHANGE ADDED DELETED/DEFERRED CHANGE IN DATE	STATUS SINCE DRAFT FYWP
ENVIRONMENTAL PROTECTION (1.3.1.10)					
DOE-RL	4100	Submit PUREX Tank Integrity Assessment Report	3/31/93	N	
DOE-RL	4100	Submit PFP Tank Integrity Assessment Report	3/31/93	N	
DOE-RL	4100	Submit revised request for PUREX Secondary Containment Equivalency To DOE-RL	3/31/93	N	
PROGRAM DIRECTION & SUPPORT (1.3.1.11)					
DOE-RL	4100	Submit Draft Hanford Materials Management Plan to DOE-RL	9/15/93	N	
DOE-RL	4100	Initiate PFP NEPA Documentation, Scoping, and Planning	4/03/93	N	
DOE-RL	4100	Complete Scoping of Irradiated Fuels EIS	9/30/93	N	
K BASINS (1.3.1.2)					
DOE-RL	4110	Complete Sludge Removal from KE Discharge Chute	N/A	A	Carried over from FY 1992, new completion date is 11/30/92. Added since draft FYWP.
DOE-RL	4110	Initiate KE Basin Fuel Encapsulation	N/A	A	Carried over from FY 1992, new completion date is 1/31/93. Added since draft FYWP.
DOE-RL	4110	Complete Encapsulation of 500 Fuel Canisters in K East Basin	1/31/93	C	New completion date is 6/30/93.
DOE-RL	4110	Complete Encapsulation of 1,840 Fuel Canisters in KE Basin	9/30/93	D	Deferred to FY 1994. Delays in EA approval.
N REACTOR (1.3.1.3)					
DOE-RL	4120	Complete Disposition of Sodium Hydroxide/Sulfuric Acid	N/A	A	Carried over from FY 1992, new completion date is 6/30/93. Added since draft FYWP.
DOE-RL	4120	Issue N Reactor Closure Plan	12/16/92	N	
DOE-RL	4120	Complete Export Water Tie-in	4/01/93	N	

Figure 3-1. Facility Operations Program Milestone Reconciliation Changes
from the Draft FYWP to the Final FYWP.

MILESTONE TYPE	ACTIVITY DATA SHEET	MILESTONE DESCRIPTION	DRAFT FYWP COMPLETION DATE	NO CHANGE ADDED DELETED/DEFERRED CHANGE IN DATE	STATUS SINCE DRAFT FYWP
DOE-RL	4120	Transmit N Springs Stabilization Environmental Assessment to DOE-RL	6/30/93	D	Deleted since draft FYWP. Transferred to ER Program.
DOE-RL	4120	Transmit N Reactor Shoreline Dose Reduction Environmental Assessment to DOE-RL	6/30/93	C	Carried over from FY 1992, new completion date is 9/30/93. Appeared with 6/30/93 due date in draft FYWP.
DOE-RL	4120	Transmit N Reactor Liquid Effluent Response Environmental Assessment to DOE-RL	9/01/93	D	Deleted since draft FYWP. Reassessing needs.
PUREX/UF ₆ OPERATIONS (1.3.1.4)					
DOE-RL	4130	Complete UF ₆ Campaign	12/31/92	N	
TPA M-17-17D	4130	Limit UF ₆ Waste Water Flow to 250 GPM	12/31/92	N	
300 AREA FUEL SUPPLY (1.3.1.5)					
TPA M-20-30	4150	Transmit 303M Oxide Facility Closure Plan to DOE-RL	10/30/92	N	
PLUTONIUM FINISHING PLANT (1.3.1.6)					
TPA M-17-16C	4170	Complete Definitive Design PFP Low-Level Waste Treatment Facility (B-680H)	12/31/92	N	
DOE-HQ	4170	Submit Declaration of Readiness for PRF Restart	1/20/93	N	

Figure 3-2. Facility Operations Program Milestone Reconciliation Changes from the Activity Data Sheets to the Draft FYMP.

MILESTONE TYPE	ACTIVITY DATA SHEET	MILESTONE DESCRIPTION	ADS COMPLETION DATE	NO CHANGE ADDED DELETED/DEFERRED CHANGE OF DATE	
ENVIRONMENTAL PROTECTION (1.3.1.10)					
DOE-RL	4100	Submit PUREX Tank Integrity Assessment Report	3/31/93	N	
DOE-RL	4100	Submit PFP Tank Integrity Assessment Report	3/31/93	N	
DOE-RL	4100	Submit revised request for PUREX Secondary Containment Equivalency To DOE-RL	3/31/93	N	
DOE-RL	4100	Submit Part A Application, PFP SNM Vault	8/31/93	D	Deleted in draft FYMP. No longer required.
PROGRAM DIRECTION & SUPPORT (1.3.1.11)					
DOE-RL	4100	Submit Draft Hanford Materials Management Plan to DOE-RL	9/15/93	N	
DOE-RL	4100	Initiate PFP NEPA Documentation, Scoping, and Planning	9/30/93	N	Date changed to 4/3/93 in draft FYMP
DOE-RL	4100	Complete Scoping of Irradiated Fuels EIS	9/30/93	N	
K BASINS (1.3.1.2)					
DOE-RL	4110	Complete Encapsulation of 500 Fuel Canisters in K East Basin	9/30/92	C	Carried over from FY 1992. New completion date is 1/31/93.
DOE-RL	4110	Complete Encapsulation of 1,840 Fuel Canisters in KE Basin	9/30/93	N	
N REACTOR (1.3.1.3)					
DOE-RL	4120	Issue N Reactor Closure Plan	--	A	Added in draft FYMP. Completion date is 12/16/92.
DOE-RL	4120	Complete Export Water Tie-in	6/30/92	C	Carried over from FY 1992. New completion date is 4/01/93.
DOE-RL	4120	Transmit N Reactor Shoreline Dose Reduction Environmental Assessment to DOE-RL	8/31/92	C	Carried over from FY 1992. New completion date is 6/30/93.

Figure 3-2. Facility Operations Program Milestone Reconciliation Changes from the Activity Data Sheets to the Draft FYWP.

MILESTONE TYPE	ACTIVITY DATA SHEET	MILESTONE DESCRIPTION	ADS COMPLETION DATE	NO CHANGE ADDED DELETED/DEFERRED CHANGE OF DATE	
DOE-RL	4120	Transmit N Reactor Liquid Effluent Response Environmental Assessment to DOE-RL	9/01/93	N	
PUREX/UF ₆ OPERATIONS (1.3.1.4)					
DOE-RL	4130	Complete UF ₆ Campaign	9/30/92	C	Carried over from FY 1992. New completion date is 12/31/92.
TPA M-17-17D	4130	Limit UF ₆ Waste Water Flow to 250 GPM	12/31/92	N	
300 AREA FUEL SUPPLY (1.3.1.5)					
TPA M-20-30	4150	Transmit 303M Oxide Facility Closure Plan to DOE-RL	9/30/92	C	Date changed to 10/31/92 in draft FYWP, to match TPA date.
PLUTONIUM FINISHING PLANT (1.3.1.6)					
TPA M-17-16C	4170	Complete Definitive Design PFP Low-Level Waste Treatment Facility (B-680H)	--	A	Added in draft FYWP. Completion date is 12/31/92.
DOE-HQ	4170	Submit Declaration of Readiness for PRF Restart	9/30/92	C	Carried over from FY 1992. New completion date is 1/20/93.

B. SUMMARY PROGRAM SCHEDULE

The summary master program schedule shows major activities scheduled for the Facility Operations program in FY 1993. The schedule also shows the FY 1993 program milestone interfaces. More detailed information about specific program element schedules is provided in the Appendix (Master Program Schedule) for each program element.

Figure 3-3. Facility Operations Program Summary Master Program Schedule.

Westinghouse
Hanford Company

THIS SCHEDULE DATED 10/10/92

PLANNER A.C. HANSON 3-1774
PAGE TWO OF THREE
REV NO. 1.3.1 DATE 06 NOVEMBER 1992

PROGRAM TITLE
FACILITY OPS LVL 0 FY 1993 PROGRAM PLAN

SCHEDULE NO. SS-K-92-06-28-VLQ
REVISION NO. 0

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Section IV

Program Cost Baseline

4.0 PROGRAM COST BASELINE

This section outlines the cost baseline for the Facility Operations program. Estimated costs are shown in Tables 4-1 through 4-4 by WBS program element and funding source.

ESTIMATING STANDARDS:

Estimating of the ADSs and the Fiscal Year Work Plan is performed using the best available data and current guidance provided at the time.

Management, support groups, and operations activities are estimated using the best available historical data as well as the best judgement of scope requirements. To these direct cost elements the appropriate adders are applied using the referenced standards. Services provided by other Hanford contractors in these estimates, may in fact be performed within the WHC service organizations. This determination will be made at the time the work is scheduled, based on available resources.

Capital equipment and small GPP activities are estimated using conventional methods. Current constraints such as Davis/Bacon laws require consideration of available plant forces prior to using outside construction contractors. Kaiser construction cost, when used, will be costed through WHC accounting at a negotiated fixed price basis.

To all these estimates, a review process is applied to insure best available estimates are provided. Historical and managerial experience factors are used in conjunction with the referenced guidance to maintain current best available budget and schedule planning for Facility Operations.

The Facility Operations cost baseline, Table 4.1, titled FY 1993 Program Budget, was developed using the following standards:

- COST ACCOUNTING STANDARDS BOARD (CASB) - DISCLOSURE STATEMENT MAY 15, 1992 CHANGE NOTICE #9 (Reference letter E. P. Vodney, Controller WHC, to R. J. Light, Director Financial Resource Division, U.S. Department of Energy #9253721)
- DOE Order 5700.3 "COST ESTIMATING, ANALYSIS, AND COST STANDARDIZATION".
- SUPPLEMENTAL GUIDANCE for FY 1994 ACTIVITY DATA SHEET PREPARATION (Reference letter D. L. Borders to all ADS Participants #05710-92-002)
- WESTINGHOUSE HANFORD COMPANY FISCAL YEAR 1993 - ESCALATION RATES and JUSTIFICATION (E. P. Vodney to A. E. Lorenz, DOE-RL #9159422)
- FY 1993 ENVIRONMENTAL RESTORATION AND WASTE MANAGEMENT (EM) FUNDING BASELINE (J. D. Wagner to Contractors)

The above referenced documents were used in the development and preparation of the FY 1994 Activity Data Sheets (ADS) and are the basis for the FY 1993 Program Budget.

Also included as Figures 4.1 through 4.4 are WBS structured charts, depicting the cost baseline by WBS element and its cost content by funding type.

Table 4-1. Fiscal Year 1993 Program Budget.

Funding Source	Budget (\$000s)
Defense Programs	\$ 30,000
Environmental Management	186,507
CD Funding for United Kingdom Billet Carryover	804
Total Expense	217,311
Capital Equipment Not Related to Construction	400
General Plant Project	2,600
Line Item	---
Total Budget	220,311

NOTE: Change requests have been submitted to request incremental funding required for the following activities:

- 100/300 Area roof repairs
- PRF restart efforts.

Table 4-2. Fiscal Year 1993 Expense Budget.

Program Element	Title	ADS	Fund Type	Budget (\$000s)	Total
1.3.1.10	Environmental Management	4100	EM-30 DP	\$ 5,070 <u>0</u>	\$5,070
1.3.1.11	Program Direction and Support	4100	EM-30 DP	11,900 <u>860</u>	12,760
1.3.1.12	DOE Order Compliance	4100-1	EM-30 DP	1,600 <u>0</u>	1,600
1.3.1.2	K Basins	4110	EM-30 DP	34,870 <u>0</u>	34,870
1.3.1.3	N Reactor	3600	EM-40 DP	20,556 <u>0</u>	20,557
1.3.1.4	PUREX/UO ₃ Operations	4130	EM-30 DP	45,942 <u>658</u>	46,600
1.3.1.5	300 Area Fuel Supply	4150	EM-30 DP CD-10	2,296 4,074 <u>804</u>	7,174
1.3.1.6	Plutonium Finishing Plant	4170	EM-30 DP	63,476 <u>24,409</u>	87,885
	Facility Operations Management Reserve		EM-30	<u>795</u>	<u>795</u>
Total Expense Budget					<u>\$217,311</u>

ADS = activity data sheet.
DP = defense programs.
EM = environmental management.

Table 4-3. Fiscal Year 1993 Budget for Capital Equipment
Not Related to Construction.

Program Element	Title	ADS	Budget (\$000s)
1.3.1.4	PUREX/UO ₃ Operations	4130	\$ 200
1.3.1.6	Plutonium Finishing Plant	4170	200
Total CENRTC Budget			<u>\$ 400</u>

ADS = activity data sheet.
CENRTC = capital equipment not related to construction.

Table 4-4. Fiscal Year 1993 General Plant Project Budget.

Program Element	Title	ADS	Budget (\$000s)
1.3.1.4	PUREX/UO ₃ Operations	4130	\$ 1,500
1.3.1.6	Plutonium Finishing Plant	4170	1,100
Total GPP Budget			<u>\$ 2,600</u>

ADS = activity data sheet.
GPP = general plant project.

FACILITY OPERATIONS (1.3.1)

FY 1993 BASELINE

(INDICATES DECREASE)

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END FUNCTION	KC		KE		KK		KN		KP		K1		K3		K6		PROGRAM RESERVE	TOTAL
	4100-1	1.3.1.12	4100-0	1.3.1.10	4110-0	1.3.1.2	4120-0	1.3.1.3	4130-0	1.3.1.4	4100-0	1.3.1.11	4150-0	1.3.1.5	4170-0	1.3.1.6		
ADS																		
WBS ELEMENT																		
B&R																		
EW-31																		
EW-31 BASELINE	1,800		5,200		33,800				41,900		13,100		3,700		63,100		0	162,600
-TRANSFER TO EW-40													(1,557)				(1,557)	
-INCREMENTAL FUNDS (4.1M)																		500
100K AREA ROOF REPAIRS					500				1,000									1,000
PUREX MINIMUM COMPLIANCE									2,900									2,600
UO3 STABILIZATION									(496)									(2,093)
-GACSP RATE REDUCTION	(21)		(75)		(449)				(327)		(148)		(48)		(718)	(138)		0
-FAC OP'S OH REDUCTION	(22)		(33)		(211)						(54)		(13)		(411)	1,071		0
-OTHER OH RATE IMPACTS			(7)		34				120		(31)		4		85	(205)		0
-LABOR RATE CHANGES	(157)		(18)		(58)				46		66		15		14	92		0
-PEP TRAINING											692				(692)			0
-TRAINING BILLBACKS									296		(988)				692			0
-CARRYOVER (2.9M)																		100
TRAINING																		300
LOCKING BAR MODIFICATIONS					300													1,000
ROOF REPAIRS					757								243		1,500			1,500
PRF RESTART									643		(860)		(50)		(234)	501		0
-B&R FUND SOURCE ADJUSTMENT									58							(58)		0
-ENGINEERING EXCELLENCE									100		28				141	(462)		0
-EUC ASSESSMENT				3	2				2		(3)		2		(1)	(5)		0
-MISCELLANEOUS ADJUSTMENTS																		
SUBTOTAL EW-31	1,800		5,070		34,870			0	45,942		11,900		2,296		63,476	796		165,950
EW-40 BASELINE								19,000										19,000
-TRANSFER FROM EW-31								1,557										1,557
-GACSP RATE REDUCTION								(246)										(246)
-FAC OP'S OH REDUCTION								(142)										(142)
-OTHER OH IMPACTS								69										69
-LABOR RATE IMPACTS								(28)										(28)
-N REACTOR MGMT RESERVE								347										347
SUBTOTAL EW-40	0		0		0			20,557	0		0		0		0	0		20,557

FACILITY OPERATIONS (1.3.1)

FY 1993 BASELINE

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(INDICATES DECREASE)

END FUNCTION	KC	KE	KK	KN	KP	K1	K3	K6	PROGRAM	TOTAL
ADS	4100-1	4100-0	4110-0	4120-0	4130-0	4100-0	4150-0	4170-0	RESERVE	
WBS ELEMENT	1.3.1.12	1.3.1.10	1.3.1.2	1.3.1.3	1.3.1.4	1.3.1.11	1.3.1.5	1.3.1.6		
GE-03 BASELINE (GE-03-48-07-0)										
-GACSP RATE REDUCTION					1,240	103	4,090	24,567	0	30,000
-FAC OP'S OH REDUCTION					(7)		(59)	(292)	358	0
-LABOR RATES							(18)	(175)	193	0
-OTHER OH RATE REDUCTIONS					8		0	6	(6)	0
-B&R FUND SOURCE ADJUSTMENT					(583)	757	10	303	(54)	(36)
-EUC ASSESSMENT							27		(468)	36
							24		(24)	0
SUBTOTAL GE-03	0	0	0	0	658	860	4,074	24,409	(1)	30,000
CD-10 BASELINE (CARRYOVER) (CD-10-01-22-8)										
-GACSP RATE REDUCTION							804			804
-FAC OP'S OH REDUCTION							(7)			(7)
-LABOR RATE CHANGES							0			0
-OTHER OH RATE REDUCTIONS							0			0
-CD-10 MGMT RESERVE							2			2
							5			5
SUBTOTAL CD-10	0	0	0	0	0	0	804	0	0	804
TOTAL	1,600	5,070	34,870	20,557	46,600	12,760	7,174	87,885	795	217,311

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Section V

Program Funding Required

5.0 PROGRAM FUNDING REQUIRED

This section summarizes funding guidance for the Facility Operations program. The Facility Operations program funding is shown in Tables 5-1 through 5-4 by WBS program element and funding source. Program funding represents the funding guidance provided in the RL, 1993 Fiscal Year Work Plan Guidance, dated July 1, 1992.

Table 5-1. Fiscal Year 1993 Program Funding.

Funding Source	Budget (\$000s)
Defense Programs	\$ 30,000
Environmental Management	181,600
CD Funding for United Kingdom Billet Carryover	800
Total Expense	212,400
Capital Equipment Not Related to Construction	400
General Plant Project	2,600
Line Item	---
Total Funding	215,400

NOTE: Change requests have been submitted to request incremental funding required for the following activities:

- 100/300 Area roof repairs
- PRF restart and restart support efforts

Table 5-2. Fiscal Year 1993 Expense Funding.

Program Element	Title	ADS	Fund Type	Budget (\$000s)	Total
1.3.1.10	Environmental Management	4100	EM-30 DP	\$ 5,200 <u>0</u>	\$5,200
1.3.1.11	Program Direction and Support	4100	EM-30 DP	12,997 <u>103</u>	13,100
1.3.1.12	DOE Order Compliance	4100-1	EM-30 DP	1,800 <u>0</u>	1,800
1.3.1.2	K Basins	4110	EM-30 DP	33,800 <u>0</u>	33,800
1.3.1.3	N Reactor	4120	EM-30 DP	19,000 <u>0</u>	19,000
1.3.1.4	PUREX/UO ₃ Operations	4130	EM-30 DP	41,960 <u>1,240</u>	43,200
1.3.1.5	300 Area Fuel Supply	4150	EM-30 DP CD-10	3,710 4,090 <u>800</u>	8,600
1.3.1.6	Plutonium Finishing Plant	4170	EM-30 DP	63,133 <u>24,567</u>	87,700
Total Expense Funding					<u>\$212,400</u>

ADS = activity data sheet.
DP = defense programs.
EM = environmental management.

Table 5-3. Fiscal Year 1993 Funding for Capital Equipment
Not Related to Construction.

Program Element	Title	ADS	Budget (\$000s)
1.3.1.4	PUREX/UO ₃ Operations	4130	\$ 200
1.3.1.6	Plutonium Finishing Plant	4170	200
Total CENRTC Funding			<u>\$ 400</u>

ADS = activity data sheet.
CENRTC = capital equipment not related to construction.

Table 5-4. Fiscal Year 1993 General Plant Project Funding.

Program Element	Title	ADS	Budget (\$000s)
1.3.1.4	PUREX/UO ₃ Operations	4130	\$ 1,500
1.3.1.6	Plutonium Finishing Plant	4170	1,100
Total GPP Funding			<u>\$ 2,600</u>

ADS = activity data sheet.
GPP = general plant project.

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Section VI
Program Manpower

6.0 PROGRAM STAFFING

This section summarizes staffing for the Facility Operations program. Staffing shown in Table 6-1 is by WBS program element.

Table 6-1. Fiscal Year 1993 Program Staffing.

Program Element	Title	ADS	FTEs
1.3.1.10	Environmental Managment	4100	27.1
1.3.1.11	Program Direction and Support	4100	108.4
1.3.1.12	DOE Order Compliance	4100-1	13.2
1.3.1.2	K Basins	4110	235.4
1.3.1.3	N Reactor	3600	135.5
1.3.1.4	PUREX/UO ₃ Operations	4130	346.4
1.3.1.5	300 Area Fuel Supply	4150	43.4
1.3.1.6	Plutonium Finishing Plant	4170	<u>685.8</u>
		Total Staffing	<u>1,595.2</u>

ADS = activity data sheet.

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7.0 FISCAL YEAR 1992 WORK SCOPE CARRYOVER SUMMARY 7-1

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Section VII

Fiscal Year 1993 Work Scope Carryover Summary

7.0 FISCAL YEAR 1992 WORK SCOPE CARRYOVER SUMMARY

<u>ITEM</u>	<u>(\$000's)</u>
• Locking Bar Modifications	300
• Training Certification	100
• 100/300 Roof Repairs	1,000
• PRF Restart (partial funding)	<u>1,500</u>
EW-30 Total	2,900
• UK. Billet Shipments (CD-10)	<u>804</u>
Total Carryover	<u>3,704</u>

X TAB -

**WBS / ADS / FDS
1.3.1.10 / 4100 / KE**

Environmental Protection

- **WBS Dictionary Sheets**
- **Cost Account Authorizations**
- **Detailed Costs**
- **Milestone Description Sheets**
- **Master Program Schedule**

**WBS / ADS / FDS
1.3.1.10 / 4100 / KE**

Environmental Protection

WBS Dictionary

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Environmental Protection		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.10		5 WBS ELEMENT TITLE Environmental Protection	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overheads, infrastructure, and site-wide overheads (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The Environmental Protection (1.3.1.10) program element provides funding and management of environmental compliance tasks such as regulatory compliance documentation, preliminary engineering in support of capital projects and schedules to meet regulatory requirements and Tri-Party Agreement milestones for PUREX, UO₃ and PFP. Environmental Protection tasks for N Reactor, K Basins, and 300 Area Fuel Supply are provided for under the KN, KK, and K3 program elements, respectively.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY

PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Environmental Protection		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.10.1		5 WBS ELEMENT TITLE PUREX / UO₃ Conceptual Engineering Project Support	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overheads, infrastructure, and site-wide overheads (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Provides expense support for Tri-Party Agreement (TPA) and non Tri-Party Agreement PUREX/UO₃ Candidate Environmental (GPP), Line Items, (CWOs), (CENRTC) provided by the Projects Department, and upgrades that require a major effort by KEH. Also includes expense funding of environmental technology identification and development/demonstration as required, and engineering studies. Specifically includes funding and direction for completion of (CDRs) and (FDCs) to support capital projects and current capital planning. Provides expense for general support such as NEPA Documentation, QA, site planning, safety documentation, management and clerical support, IRM, etc. to all environmental construction projects as required.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Environmental Protection		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.10.2		5 WBS ELEMENT TITLE PFP Conceptual Engineering and Project Support	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overheads, infrastructure, and site-wide overheads (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Provides expense support for Tri-Party Agreement (TPA) and non Tri-Party Agreement PFP Candidate Environmental (GPPs), Line Items, (CWOs), (CENRTC) provided by the Projects Department, and upgrades that require a major effort by KEH. Also includes expense funding of environmental technology identification and development/demonstration as required, and engineering studies. Specifically includes funding and direction for completion of (CDRs) and (FDCs) to support capital projects and current capital planning. Provides expense for general support such as NEPA Documentation, QA, site planning, safety documentation, management and clerical support, IRM, etc. to all environmental construction projects as required.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Environmental Protection		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.10.3		5 WBS ELEMENT TITLE Environmental Support	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overheads, infrastructure, and site-wide overheads (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Provides for oversight of the implementation of environmental protection and management activities at PUREX, UO₃, and PFP. Provides program direction and expense support to ensure compliance with long-range environmental protection requirements and objectives, including development of waste analysis, minimization and management plans, and preparation and maintenance of (RCRA) permits and closure plans. Provides for assessment and demonstration of compliance with 40 CFR 61 Subpart H requirements and preparation of annual updates of (FEMPs) and, if necessary, installation and registration with Washington State of continuous sampling equipment for air emission sources to comply with the (NESHAPs) rules. Provides for assessment and evaluation of technology development for potential application in support of program goals. Provides for conduct of dangerous waste tank integrity assessments, in accordance with the (WAC) preparation of Tank Integrity Assessment Reports. Provides for the disposition of abandoned equipment stored outdoors and interim stabilization of contaminated soil sites before to transfer for restoration and remediation.</p>			

**WBS / ADS / FDS
1.3.1.10 / 4100 / KE**

Environmental Protection

1993 Cost Account Authorizations

1 Cost Account IKE521		CAA Title PUREX Environ. Proj. Sprt		COST ACCOUNT AUTHORIZATION		Activity Mgr. TE Huber		Date 08/13/92	
		Activity Title PUREX Environ. Support		PROGRAM/PROJECT IKE Facility Ops Envir. Prot		Original		Rev.	
Resp. Org. Title/Code		PUREX/U03 Projects 24550		Original Budget (K\$)		Current Total Budget		Complete	
Cost Acct. Mgr./Phone		J. L. Monko 3-2159		Budget Prior Revision		Change This Revision		Start	
		Line Item FY		50				10/01/92 09/30/93	
Funding Source:		☒ Operating Expense		☐ GPP FY		☐ Small Projects FY		B&R Code	
		☐ Line Item FY						CENRTC FY	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		T = TPA	

Type		Description		Date	

3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (capital justification)	
--	--

Provides expense support for non TPA-related PUREX/U03 Environmental General Plant Projects (GPP), Line Items, Capital Work Orders (CWO) upgrades that require a major effort by KEH, and Capital Equipment Not Related to Construction (CENRTC) provided by the Projects Department. Specifically includes funding and direction for completion of CDRs to support capital projects and to support current capital planning. Completion of all CDRs will be timed to support submittal of documents to RL to meet predetermined submittal dates. Support to expense upgrades will include funding for KEH and direction and support from WMC to include Project Engineering, Construction Coordination, and Engineering. Provides expense support for general support to all environmental construction projects as required. Funding will be provided for any support group relating to the projects as required. Currently, no projects are identified under this cost account.

4 Distribution		Approvals			
		Title		Date	
(1) Program Administration/Project Control		Activity Manager		Program Administration	
(2) End Function Manager		End Function Manager		Cost Account Manager	
(3) Activity Manager		Cost Account Manager		Activity Manager	
(4) Cost Acct. Manager		Program Administration		End Function Manager	
		Title		Date	
		A. Welley		10/30/92	
		J. L. Monko		11-4-92	
		J. L. Monko		11-4-92	
		K. L. Lashley		10/30/92	

1 Cost Account 1KE522		CAA Title PUREX TPA Proj. Support		COST ACCOUNT AUTHORIZATION		Activity Mgr. TE Huber		Date 08/13/92	
Activity Title PUREX Environ. Support		PROGRAM/PROJECT IKE Facility Ops Envir. Prot.		Original		Rev.			
Resp. Org. Title/Code PUREX/U03 Projects 24550		Original Budget (K\$) 50		Changes This Revision		Current Total Budget			
Cost Acct. Mgr./Phone J.L. Monko 3-2159		Budget Prior Revision		Start		Complete		Start	
		Operating Expense ☒ ☐ Line Item FY		Small Projects FY ☐ ☐ GPP FY		CENRTC FY 10/01/92		B&R Code 09/30/93	
Funding Source:		M = Major DOE-HQ		K = Major DOE-RL		R = Warehouse Key		T = TPA	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Warehouse Key		T = TPA	

Type	Description	Date
	<p>Deliverables include one or more of the following in support of Project W-049H (TEDF) as it relates to PUREX:</p> <p>Provide scheduling and interfacing required between KEH and plant personnel; scheduling of utility outages; coredrill, excavation, RWP, and HWP permits; safety walkdowns; patrol support; lock & tag; ECN review; technical problem resolution; and any other project engineering services required for Project W-049H completion.</p>	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)
--

<p>Provides expense support for TPA-related PUREX/U03 Environmental General Plant Projects (GPP), Line Items, Capital Work Orders (CWO) upgrades that require a major effort by KEH, and Capital Equipment Not Related to Construction (CENRTC) provided by the Projects Department. Specifically includes funding and direction for completion of CDRs to support capital projects and to support current capital planning. Completion of all CDRs will be timed to support submittal of documents to RL to meet predetermined submittal dates. Support to expense upgrades will include funding for KEH and direction and support from WMC to include Project Engineering, Construction Coordination, and Engineering. Provides expense support for general support to all environmental construction projects as required. Funding will be provided for any support group relating to the projects as required. Includes support to TEDF (W-049H).</p>		<table border="1"> <tr> <td>ADS Number</td> <td>4100</td> </tr> <tr> <td>Total CAP \$000</td> <td>G & A/CSP \$000</td> </tr> <tr> <td>39</td> <td>11</td> </tr> <tr> <td></td> <td>50</td> </tr> </table>		ADS Number	4100	Total CAP \$000	G & A/CSP \$000	39	11		50
ADS Number	4100										
Total CAP \$000	G & A/CSP \$000										
39	11										
	50										

4 Distribution		Approvals																																				
<table border="1"> <tr> <td>(1) Program Administration/Project Control</td> <td>Activity Manager</td> <td>Authority to Initiate Planning</td> <td>Date</td> <td>Title</td> <td>Cost Account/Work Author Approval</td> <td>Date</td> </tr> <tr> <td>(2) End Function Manager</td> <td>End Function Manager</td> <td></td> <td></td> <td></td> <td></td> <td>10/31/92</td> </tr> <tr> <td>(3) Activity Manager</td> <td>Cost Account Manager</td> <td></td> <td></td> <td></td> <td></td> <td>11-4-92</td> </tr> <tr> <td>(4) Cost Acct. Manager</td> <td>Program Administration</td> <td></td> <td></td> <td></td> <td></td> <td>11-4-92</td> </tr> </table>		(1) Program Administration/Project Control	Activity Manager	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date	(2) End Function Manager	End Function Manager					10/31/92	(3) Activity Manager	Cost Account Manager					11-4-92	(4) Cost Acct. Manager	Program Administration					11-4-92	<table border="1"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10/31/92</td> </tr> </table>								10/31/92
(1) Program Administration/Project Control	Activity Manager	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date																																
(2) End Function Manager	End Function Manager					10/31/92																																
(3) Activity Manager	Cost Account Manager					11-4-92																																
(4) Cost Acct. Manager	Program Administration					11-4-92																																
						10/31/92																																

1	Cost Account 1KE612	CAA Title PFP Misc Wastestream Dev	COST ACCOUNT AUTHORIZATION				Activity Mgr. D. T. Mildon	Date 08/13/92
		Activity Title PFP Environ Support	PROGRAM/PROJECT IKE Facility Ops Envir. Prot.				Original	Rev.
	Resp. Org. Title/Code PFP Systems Tech 15550		Original Budget - (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete
	Cost Acct. Mgr./Phone RD Keck 3-3012		152				10/01/92	09/30/93
	Funding Source:	☒ Operating Expense	☐ Line Item FY	☐ GPP FY	☐ Small Projects FY	☐ CENRTC FY	B&R Code	
2	Controlled Milestones	M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA	Ref. Sched. No.	
0	Type	Description Complete FDC for PFP Miscellaneous Streams						
3	Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	<p>Provides for environmental technology identification and development/demonstration, and development and coordination of engineering studies and FDCs to support PFP's environmental construction projects and current capital planning. Completion of all engineering studies will be timed to meet predetermined submittal dates for RL. Specifically, PFP miscellaneous wastewater streams will be evaluated and an FDC prepared to initiate line item programming consistent with the Liquid Effluent Compliance Agreement with Ecology.</p>						
4	Distribution	Approvals						
(1)	Program Administration/ Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work	Author Approval	Date
(2)	End Function Manager	Activity Manager			Program Administration		B. Walker	10/30/92
(3)	Activity Manager	End Function Manager			Cost Account Manager		PFP T. G. Kelly	11/1/92
(4)	Cost Acct. Manager	Cost Account Manager			Activity Manager		W. S. Kelly	11/6/92
		Program Administration			End Function Manager		P. Kelly	10/30/92
						130	22	152
						ADS Number	4100	
						Total CAP \$000	G & A/CSP \$000	Total CAA \$000

1 Cost Account 1KE614		CAA Title PFP TPA Env. Proj. Supp.		COST ACCOUNT AUTHORIZATION				Activity Mgt. D.T. Mardon		Date 08/13/92	
Resp. Org. Title/Code PFP System Tech 15550		PFP Environ Support		PROGRAM/PROJECT IKE Facility Ops Envir. Prot.				Original		Rev.	
Cost Acct. Mgr./Phone RD Keck 3-3012		PFP System Tech 15550		Original Budget (K\$) 296				Start		Complete	
		RD Keck 3-3012		Budget Prior Revision				Complete		Start	
				Changes This Revision				10/01/92		09/30/93	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY		Ref. Sched. No.	
2 Controlled Milestones		T = TPA	

Type	Description	Date
0	Prepare Monthly Project Status Report	Monthly
0	Complete Engineering Study for relocation of Wastewater Sampling Station	09/30/93
0	Prepare Engineering Studies for projects identified in FY 1993	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (capital justification)

Provides expense funding for TPA related PFP environmental General Plant Projects (GPP), Line Items, Capital Work Orders (CWO), and Capital Equipment Not Related to Construction (CENRTC) needed to meet Plant and environmental requirements. Specifically includes funding and direction for technology identification and development/demonstration, and completion of engineering studies and FDCs to support capital projects and current capital planning. Completion of all FDCs will be timed to support submittal of all documents to RL to meet predetermined submittal dates. Also includes engineering staff, coordination of the design review process, interfacing between KEH and WHC for cost estimating, review and revision of FDCs, and assurance of construction according to FDC provisions of ongoing TPA projects at PFP, specifically, Projects B-680H, C-040, C-031, and W-049.

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author	Approval
(1) Program Administration/Project Control	Activity Manager		Program Administration		10/30/92
(2) End Function Manager	End Function Manager		Cost Account Manager		11/14/92
(3) Activity Manager	Cost Account Manager		Activity Manager		11/16/92
(4) Cost Acct. Manager	Program Administration		End Function Manager		10/30/92

1 Cost Account		CAA Title		COST ACCOUNT AUTHORIZATION		Activity Mgr.		Date	
1KE621		PFP Environ Proj Support		PROGRAM/PROJECT IKE Facility Ops Envir. Prot		D. T. Mildon		08/13/92	
		Activity Title				Original		Rev.	
		PFP Environ Support							
Resp. Org. Title/Code		24540		Original Budget (K \$)		Changes This Revision		Current Total Budget	
PFP Projects		3-2159		380					
Cost Acct. Mgr./Phone		J.L. Monko		Budget Prior Revision		10/01/92		10/30/93	

Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY		B&R Code	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA		Ref. Sched. No.	

Type		Description		Date	
0		Issue Project Status Report		Monthly	
0		Issue Performance Indicator Report		Monthly	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provides expense funding for non TPA-related PFP Environmental General Plant Projects(GPP), Line Items, Capital Work Orders (CWO) upgrades that require a major effort by KEH, and Capital Equipment Not Related to Construction (CENRTC) provided by the Projects Department. Specifically includes funding and management for completion of CDRs to support capital projects and to support current capital planning. Completion of all CDRs will be timed to meet predetermined submittal dates for RL. Support to expense upgrades will include KEH, Project Engineering staff and management, Construction Coordination, Safety, clerical staff, and any other group relating to the projects as required.

4 Distribution		Approvals			
		Title	Authority to Initiate Planning	Date	Title
(1) Program Administration/ Project Control		Activity Manager			Cost Account/Work Author Approval
(2) End Function Manager		End Function Manager			Date
(3) Activity Manager		Cost Account Manager			0/30/92
(4) Cost Acct. Manager		Activity Manager			11-4-92
		Program Administration			11-6-92
					14/50/92

1 Cost Account IKE622		CAA Title PFP TPA Env. Proj. Support		COST ACCOUNT AUTHORIZATION				Activity Mgr. D.T. Mildon		Date 08/13/92	
Resp. Org. Title/Code PFP Environ. Support		PFP Projects 24540		PROGRAM/PROJECT IKE Facility Ops Envir. Prot		Original		Rev.			
Cost Acct. Mgr./Phone J.L. Monko		3-2159		Original Budget (K\$)		113		Changes This Revision			
Funding Source:		☒ Operating Expense		☐ Live Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	

Type		Description		Date	
0	Issue Project Status Report			Monthly	
0	Issue Performance Indicator Report			Monthly	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)			
<p>Provides expense funding for TPA-related PFP Environmental General Plant Projects (GPP), Line Items, Capital Work Orders upgrades that require a major effort by KEH, and Capital Equipment Not Related to Construction (CENRTC) provided by the Projects Department. Specifically includes funding and management for completion of CDRs to support capital projects and to support current capital planning. Completion of all CDRs will be timed to meet predetermined submittal dates for RL. Support to expense upgrades will include KEH, Project Engineering staff, Construction Coordination, Safety, clerical staff, and any other group relating to the projects as required. Specifically includes scheduling and interfacing between KEH and plant personnel; scheduling of utility outages; coredrill, excavation, RWP, and HWP permits; safety walkdowns; and any other project engineering services required for Projects: C-040, C-031H, B-680H, and W-049.</p>			
ADS Number		4100	
Total CAP \$000		G & A/CSP \$000	
89		24	
		113	

4 Distribution		Approvals			
Title		Authority to Initiate Planning		Date	
(1) Program Administration/Project Control					
(2) End Function Manager					
(3) Activity Manager					
(4) Cost Acct. Manager					
Title		Date		Date	
Activity Manager				10/30/92	
End Function Manager				11-4-92	
Cost Account Manager				1-6-92	
Program Administration				14/30/92	

1 Cost Account 1KE631		CAA Title PFP Sec. Wstln. Contnmt. Pr	COST ACCOUNT AUTHORIZATION				Activity Mgr. D.T. Mildon	Date 08/13/92
Resp. Org. Title/Code PFP Projects		Activity Title PFP Environ Support	PROGRAM/PROJECT IKE Facility Ops Envir. Prot				Original	Rev.
Cost Acct. Mgr./Phone R.D. KECK		Original Budget (K\$) 15550	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete	Start
		3-3012	226			10/01/92	09/30/93	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA
Ref. Sched. No.

Type R Description Submit FDC for 234-5Z Wasteline Secondary Containment to RL Date 05/31/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provides expense funding required for development of the PFP Secondary Wasteline Containment Line Item engineering studies and FDC ie., KEH, engineering staff, technical staff, and safety documentation. Completion of the FDC will be timed to meet predetermined submittal dates for RL.

ADS Number	4100
Total CAP \$000	G & A/CSP \$000
199	27
	226

4 Distribution

Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/Project Control	Activity Manager		Program Administration	<i>A. Welfley</i>	10/30/92
(2) End Function Manager	End Function Manager		Cost Account Manager	<i>W. J. Carley</i>	11/11/92
(3) Activity Manager	Cost Account Manager		Activity Manager	<i>W. J. Carley</i>	11/11/92
(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>W. J. Carley</i>	10/30/92

1 Cost Account IKE632	CAA Title PFP Sec. Wstln. Contnmt. Pr	COST ACCOUNT AUTHORIZATION				Activity Mgr. D.T. Mildon	Date 08/13/92
	Activity Title PFP Environ. Support	PROGRAM/PROJECT IKE Facility Ops Envir. Prot.				Original	Rev.
Resp. Org. Title/Code PFP Projects	24540	Original Budget (K\$)	Budget Prior Revision	Changes Title Revision	Current Total Budget	Start	Complete
Cost Acct. Mgr./Phone J. L. Monko	3-2195	133				10/01/92	09/30/93
Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY		B&R Code					

2 Controlled Milestones	M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA
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0	Type	Description	Date
		Initiate CDR for 234-5Z Wasteline Secondary Containment Line Item	08/01/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provides expense support required for development of the PFP Secondary Wasteline Containment Line Item CDR. Completion of the CDR will be timed to support submittal of documents to RL to meet predetermined submittal dates. Support will include funding for KEH and direction and support from WHC to include Project Engineering, Construction Coordination, and Engineering. Funding will be provided for any support group relating to the project as required.			
ADS Number	4100		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
113	20	133	

Distribution		Approvals				
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(2) End Function Manager	Activity Manager			Program Administration	G. Walley	10/20/92
(3) Activity Manager	End Function Manager			Cost Account Manager	J. L. Monko	11-4-92
(4) Cost Acct. Manager	Cost Account Manager			Activity Manager	J. L. Monko	11-6-92
	Program Administration			End Function Manager	G. Walley	10/30/92

1 Cost Account IKE801		CAA Title Environ. Prog Mngmnt.		COST ACCOUNT AUTHORIZATION				Activity Mgr. K.A. Hadley		Date 08/13/92	
Activity Title Environmental Support		PROGRAM/PROJECT IKE Facility Ops Envir. Prot.		Original Budget (K \$)		Changes This Revision		Current Total Budget		Rev.	
Resp. Org. Title/Code Env. Prot. Program 10200		Original Budget (K \$)		Budget Prior Revision		Changes This Revision		Current Total Budget		Start	
Cost Acct. Mgr./Phone K.A. Hadley 3-5169		199								Complete	
Funding Source: ☒ Operating Expense		Line Item FY		Small Project FY		CENRTC FY		B&R Code		10/01/9209/30/93	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
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Type	Description	Date
0	Complete FY 1995 input for Fac. Ops. Environ. Protection draft ADS	01/31/93
0	Complete draft of the FY 1994 Fiscal Year Work Plan for Environ. Protection	08/31/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provides program direction to ensure compliance with long range environmental protection requirements and objectives, such as development of waste analysis/minimization plans, response to DOE and Ecology requests for budget, schedule, or progress status of Facility Operations Environmental Protection activities, and interface with regulators to negotiate scope/schedule changes to environmental projects and milestones within Facility Operations. Also provides for assessment and evaluation of technology development for potential application in support of program goals. Provides support to the Hanford Central Environmental Committee.		ADS Number	4100
		Total CAP \$000	G & A/CSP \$000
		157	42
		199	

4 Distribution		Approvals			
		Title	Authority to Initiate Planning	Date	Title
(1) Program Administration/Project Control		Activity Manager			Program Administration
(2) End Function Manager		End Function Manager			Cost Account Manager
(3) Activity Manager		Cost Account Manager			Activity Manager
(4) Cost Acct. Manager		Program Administration			End Function Manager

1 Cost Account 1KE802	CAA Title Gen. Title Activity Title	COST ACCOUNT AUTHORIZATION				Activity Mgr.	Date
	Environ. Oversight Environmental Support	PROGRAM/PROJECT IKE Facility Ops Envir. Prot.				K. A. Hadley	08/13/92
Resp. Org. Title/Code	Facility Compliance 81140	Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete
Cost Acct. Mgr./Phone	BG Erlandson 6-5969	659				10/01/92	09/30/93

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CERTRC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA

Type	Description	Date
0	Issue Annual Effluent Solid Waste Report	06/01/93
0	Complete PUREX Line Loss Study	12/31/92
0	Negotiate NESHAPS compliance agreement with EPA	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provides oversight of the implementation of environmental protection, compliance, and management activities in PUREX, UO3, and PFP. Provides for performance of facility assessments against existing RCRA requirements. Provides for development and tracking of corrective actions for findings identified in Environmental Protection Agency (EPA) and Washington State Department of Ecology inspections. Provides for PUREX PR stock (296-A-1) monitoring system's line loss study, including lab analysis, data compilation, and reporting. Provides for the preparation and issuance of the annual effluent solid waste report. Provides for the conduct of assessments and engineering studies and development of methodologies and action plans necessary to attain an agreement with EPA regarding compliance with NESHAPS regulations.

ADS Number	4100
Total CAP \$000	G & A/CSP \$000
521	138
Total CAA \$000	
659	

4 Distribution

Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/ Project Control	Activity Manager		Program Administration	<i>[Signature]</i>	10/20/92
(2) End Function Manager	End Function Manager		Cost Account Manager	<i>[Signature]</i>	11/4/92
(3) Activity Manager	Cost Account Manager		Activity Manager	<i>[Signature]</i>	10/20/92
(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>[Signature]</i>	10/20/92

1 Cont Account IKE803		CAA Title Air Permit/FEMP Gen Supt Environmental Support	COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT IKE Facility Ops Envir. Prot.				Activity Mgr. K.A. Hadley	Date 08/13/92
Resp. Org. Title/Code Environ. Prot 31200		Original Budget (K\$) 250	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete	Start
Cost Acct. Mgr./Phone L.P. Diediker 3-1716		Original Budget (K\$) 250	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete	Start
Funding Source: ☒ Operating Expense ☐ Line Item FY		Original Budget (K\$) 250	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete	Start

2 Controlled Milestones		M = Major DOE-HQ	K = Major DOE-RL	R = Weatherhouse Key	O = Other	T = TPA
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Type	Description	Date
Other	Submit Annual Air Emissions Report for Hanford Site to DOE-HQ	05/01/93
Other	Submit Annual Air Emissions Report for Hanford Site to EPA	06/30/93
Other	Issue Revisions of FEMPs for PFP, PUREX, and U03 to DOE-RL	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provides general support for installation and registration with the State of Washington of continuous sampling equipment for chemical processing air emission sources, if necessary to comply with the National Emission Standards for Hazardous Air Pollutants (NESHAP's) rules. Provides for coordination of preparation of annual updates of Facility Effluent Monitoring Plans (FEMPs) for PUREX, U03, and PFP and annual air emissions reports for Hanford Site. Provides routine Environment Protection surveillances and overview for PUREX, U03, and PFP.	
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4 Distribution		Approvals			
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date	Title	Date
(2) End Function Manager	Activity Manager			Program Administration	10/30/92
(3) Activity Manager	End Function Manager			Cost Account Manager	11-5-92
(4) Cost Acct. Manager	Cost Account Manager			Activity Manager	10/30/92
	Program Administration			End Function Manager	10/30/92

1 Cost Account 1KE851		GAA Title PUREX Permit./Compliance		COST ACCOUNT AUTHORIZATION		Activity Mgr. K.A. Hadley		Date 08/13/92	
Activity Title Environmental Support		PROGRAM/PROJECT IKE Facility Ops Envir. Prot.		Original		Rev.			
Resp. Org. Title/Code PUREX Reg.Comp.		17524		Original Budget (K\$)		Current Total Budget			
Cost Acct. Mgr./Phone GJ LeBaron		3-1792		928		Changes This Revision			
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY	
10/01/92		09/30/93		10/01/92		09/30/93		BAR Code	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type	Description	Date
0	Modify the PUREX Part A, including submittal of an NOI	09/30/93
0	Develop the criteria for closing a canyon facility	TBD *
0	Develop shutdown plans for PUREX inclusive of closure activities	TBD *
0	Conduct an assessment of compliance to Tunnel Part B Permit commitments	TBD *
0	Respond to NODs for the Tunnel Part B permit application (as required)	TBD *
0	* Milestones for these activities will be determined within 30 days of meeting with DOE and Ecology, after customer expectations are established with respect to documentation methodology.	

3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (ca. ital justification)

Provides support for PUREX Resource Conservation and Recovery Act (RCRA) permitting needs. Specifically provides for the preparation of RCRA Part B permit or closure plan applications for the PUREX tunnels and PUREX Treatment, Storage, and Disposal (TSD) units. Provides for preparation of responses to Washington State Department of Ecology Notices of Deficiency (NODs) related to the applications. Also includes development of closure criteria for the PUREX facility and preparation of supporting closure documentation as required by federal and state regulatory agencies. Provides for modification of PUREX Part A and B permits to maintain accuracy and currency, and preparation of supporting documentation (such as Waste Minimization Reports or Process Waste Assessments).		
ADS Number	4100	
Total CAP \$000	G & A/CSP \$000	Total CAA \$000
734	194	928

4 Distribution		Approvals			
Title		Authority to Initiate Planning		Date	
(1) Program Administration/Project Control		Activity Manager		Program Administration	
(2) End Function Manager		End Function Manager		Cost Account Manager	
(3) Activity Manager		Cost Account Manager		Activity Manager	
(4) Cost Acct. Manager		Program Administration		End Function Manager	
				10/30/92	
				11/4/92	
				10/30/92	
				10/30/92	

1 Cost Account 1KE852	CAA Title Tank Integ. Assess/PUREX Environmental Support	COST ACCOUNT AUTHORIZATION				Activity Mgr. K. A. Hadley	Date 08/13/92
Resp. Org. Title/Code PUREX Reg. Comp.	17524	Original Budget (K)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete
Cost Acct. Mgr./Phone GJ LeBaron	3-1792	76				10/01/92	09/30/93

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CERNTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA

Type	Description	Date
K	Submit PUREX Tank Integrity Assessment Report to Ecology	03/31/93
K	Submit Revised Request for PUREX Secondary Containment Equivalency to Ecol.	03/31/93

3 Description/Instructions (scope, obje. tives, approach, constraints, further milestone definition) (capital justification)

Provides engineering and technical services to assess and upgrade dangerous waste tank systems at PUREX for structural integrity, corrosion, waste compatibility and environmental compliance. Provides for a report of these integrity assessments, including a request for PUREX secondary containment equivalency determination, and submittal to the Washington State Department of Ecology.

ADS Number	4100
Total CAP \$000	G & A/CSP \$000
60	16
76	

4. Distribution	Approvals			
	Title	Authority to Initiate Planning	Date	Title
(1) Program Administration/ Project Control	Activity Manager			Program Administration
(2) End Function Manager	End Function Manager			Cost Account Manager
(3) Activity Manager	Cost Account Manager			Activity Manager
(4) Cost Acct. Manager	Program Administration			End Function Manager

1 Cost Account 1KE853		CAA Title Air Permit/FEMP/PUREX		COST ACCOUNT AUTHORIZATION		Activity Mgr. K.A. Hadley		Date 08/13/92	
Activity Title Environmental Support		PROGRAM/PROJECT IKE Facility Ops Envir. Prot.				Original		Rev.	
Resp. Org. Title/Code PUREX Eff. Syst.		17523		Original Budget (K\$)		504		Current Total Budget	
Cost Acct. Mgr./Phone C.D. Wollam		3-1587		Budget Prior Revision				Changes This Revision	
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENTRC FY	
B&R Code		10/01/92		09/30/93		Start		Complete	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
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Type	Description	Date
0	Document air emission inventory for PUREX and U03	09/30/93
R	Issue FDCs, if required for NESHAPS compliance	05/31/93
0	Issue update of PUREX/U03 FEMPs to DOE-RL	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provides for annual updating of the Facility Effluent Monitoring Plans for PUREX and U03. Provides for installation and registration with the State of Washington of continuous sampling equipment for PUREX/U03 air emission sources, if necessary to comply with the National Emission Standards for Hazardous Air Pollutants (NESHAPS) rules. Provides for annual updating of the Facility Effluent Monitoring Plans (FEMP). Provides for planning, conducting, and documenting an air emissions inventory for use in the preparation and submittal of an application for a Hanford operating air permit in accordance with the Clean Air Act Amendments of 1990. (Identify criteria, hazardous, and toxic air pollutants and radionuclides, locate each area, point, and mobile source, quantify emission rates, and prepare an inventory report.)			
ADS Number	4100		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
398	106	504	

4) Distribution				Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work	Author Approval	Date	
(1) Program Administration/ Project Control	Activity Manager						
(2) End Function Manager	End Function Manager					10/30/92	
(3) Activity Manager	Cost Account Manager					11/4/92	
(4) Cost Acct. Manager	Program Administration					11/30/92	

1 Cost Account IKE862		CAA Title Tank Integ Assess-PFP		COST ACCOUNT AUTHORIZATION		Activity Mgr K. A. Hadley		Date 08/13/92	
		Activity Title Environmental Support		PROGRAM/PROJECT IKE Facility Ops Envir. Prot		Original		Rev.	
Resp. Org. Title/Code PFP Env. Compliance 15540				Original Budget (K\$) 489		Current Total Budget		Start Complete	
Cost Acct. Mgr./Phone J.E. Bramson 3-1350				Budget Prior Revision		Changes This Revision		Start Complete	
Funding Source: ☒ Operating Expense ☐ Lke Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY				10/01/9209/30/93		BAR Code			

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
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Type		Description		Date	
K		Submit PFP Tank Integrity Assessment Report to Ecology		03/31/93	

3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (capital justification)	
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Provides engineering and technical services to assess dangerous waste tank systems at PFP for structural integrity, corrosion, waste compatibility, and environmental compliance. Provides for a report of these integrity assessments and submittal to the Washington State Department of Ecology.	
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4 Distribution		Approvals			
(1) Program Administration/ Project Control		Title	Authority to Initiate Planning	Date	Title
(2) End Function Manager		Activity Manager			Program Administration
(3) Activity Manager		End Function Manager			Cost Account Manager
(4) Cost Acct. Manager		Cost Account Manager			Activity Manager
		Program Administration			End Function Manager

ADS Number	4100		
Total CAP \$000	G & A/CSP \$000		Total CAA \$000
387	103		489

1 Cost Account 1KE863		CAA Title Air Permitting FEMP/PFP		COST ACCOUNT AUTHORIZATION				Activity Mgr. K. A. Hadley		Date 08/13/92	
		Activity Title Environmental Support		PROGRAM/PROJECT IKE Facility Ops Envir. Prot.				Original		Rev.	
Resp. Org. Title/Code PFP Environ. Comp1		15540		Original Budget (K\$)		376		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone LA Garner		3-5698		Budget Prior Revision				Start		Complete	
				Original Budget (K\$)		376		Start		Complete	
				Original Budget (K\$)		376		Start		Complete	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code	
2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA	

Type	Description	Date
0	Document air emissions inventory for PFP	09/30/93
R	Issue FDC, if required for NESHAPS compliance	05/31/93
0	Issue update of PFP FEMP	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provides for installation and registration with the State of Washington of continuous sampling equipment for PFP air emission sources, if necessary to comply with the National Emission Standards for Hazardous Air Pollutants (NESHAPS) rules. Provides for annual updating of the Facility Effluent Monitoring Plans (FEMP). Provides for planning, conducting, and documenting an air emissions inventory for use in the preparation and submittal of an application for a Hanford operating air permit in accordance with the Clean Air Act Amendments of 1990. (Identify criteria, hazardous, and toxic air pollutants and radionuclides, locate each area, point, and mobile source, quantify emission rates, and prepare an inventory report.)		ADS Number	4100	Total CAP \$000	G & A/CSP \$000	Total CAA \$000
		297	79			376

4 Distribution		Approvals				
		Title	Date	Cost Account/Work	Author Approval	Date
(1) Program Administration/Project Control		Activity Manager				10/30/92
(2) End Function Manager		End Function Manager				10/30/92
(3) Activity Manager		Cost Account Manager				10/30/92
(4) Cost Acct. Manager		Program Administration				10/30/92

**WBS / ADS / FDS
1.3.1.10 / 4100 / KE**

Environmental Protection

Detailed Costs

FACILITY OPERATIONS - 1.3.1 FISCAL YEAR 1993 WORK PLAN

Listed on the following pages is a summary of approved Cost Account Authorizations (CAAs) issued to cost account managers to establish the budget baseline for FY 1993.

FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN
ENVIRONMENTAL PROTECTION - 1.3.1.10
BUDGET AND STAFFING SUMMARY
(\$000's)

<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
KE521 PUREX CDR/Project Support	50	0.5
KE522 PUREX TPA (M-17) CDR/Proj Support	50	0.5
<hr/>		
KE5 - PUREX/UO ₃ Technology and Proj Support	100	1.0
KE612 PFP Misc. Wastestream BAT/ES/FDC/Project Support	152	0.7
KE614 PFP TPA (M-17) BAT/ES/FDC/Project Support	296	1.5
KE621 PFP CDR/Project Support	380	2.1
KE622 PFP TPA (M-17) CDR/Project Support	113	0.9
KE631 PFP Wasteline containment LI ES/FDC/Proj Supp	226	0.5
KE632 PFP Wasteline Containment LI CDR/Proj Support	133	0.6
<hr/>		
KE6 - PFP Technology and Project Support	1,300	6.3

FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN
ENVIRONMENTAL PROTECTION - 1.3.1.10
BUDGET AND STAFFING SUMMARY
(\$000's)

<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
KE801 TPA Program Support	199	1.5
KE802 General Environmental Oversight	659	3.5
KE803 Air Permitting Support	250	0.4
KE851 PUREX TPA (M-20) Part B Permit & Compliance	928	7.6
KE852 PUREX TPA (M-32) Tank Integrity Asses.	76	0.5
KE853 PUREX / UO ₂ Air Permitting	504	1.0
KE861 PFP TPA (M-20) Part B Permits	189	0.5
KE862 PFP TPA (M-32) Tank Integrity Asses.	489	3.8
KE863 PFP Air Permitting	376	1.0
	<hr/>	<hr/>
KE8 - Environmental Support	<u>3,670</u>	<u>19.8</u>
	<hr/>	<hr/>
TOTAL KE - Environmental Protection	<u>\$ 5,070</u>	<u>27.1</u>

**WBS / ADS / FDS
1.3.1.10 / 4100 / KE**

**Environmental Protection
Milestone Description Sheets**

Facility Operations MILESTONE DESCRIPTION SHEET

Title SUBMIT PUREX TANK INTEGRITY ASSESSMENT REPORT	Date 08/21/92
Assigned To PUREX Regulatory Compliance	CIN
Program WBS Designator 1.3.1.10 1KE	Completion Date 03/31/93
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☐ DOE ☐ RCRA ☒ TPA Driver: M-32-08 Under Negotiations	DELIVERABLE: ☒ Report ☐ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☐ DOE-RL ☒ Other (specify) Ecology
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Description and what constitutes completion of this commitment:

The dangerous waste tank systems at PUREX have been undergoing tests for structural integrity, corrosion, waste compatibility and environmental compliance. This milestone will be completed when tank testing has been finalized and a Tank Integrity Assessment report for PUREX has been written and submitted to Ecology.

Cost Account Manager GJ Lebaron <i>GJ Lebaron</i>	Date 8/31/92	Program/Project Manager KA Hadley <i>KA Hadley</i>	Date 8/31/92
Activity Manager KA Hadley <i>KA Hadley</i>	Date 8/31/92	DOE Monitor SS Clark	Date
Milestone Complete	Date	08/31/92	

Facility Operations MILESTONE DESCRIPTION SHEET

Title SUBMIT REVISED REQUEST FOR PUREX SECONDARY CONTAINMENT EQUIVALENCY TO ECOLOGY	Date 08/21/93
Assigned To PUREX Regulatory Compliance	CIN
Program WBS Designator 1.3.1.10 IKE	Completion Date 03/31/93
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☐ DOE ☐ RCRA ☒ TPA Driver: M-32-08 Under Negotiations	DELIVERABLE: ☐ Report ☒ Letter ☐ Drawings ☐ Other (specify) Revision to original request	ADDRESS TO: ☐ DOE-HQ ☐ DOE-RL ☒ Other (specify) Ecology
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Description and what constitutes completion of this commitment:

A request has been made to Ecology for designation of the PUREX Canyon as an equivalent secondary containment device. This request has been denied and a revision will be made to resolve concerns and issues which led to the rejection of the original request. This milestone will be completed upon submission of the revised request document to Ecology.

Cost Account Manager GJ Lebaron	Date 3/31/92	Program/Project Manager KA Hadley	Date 8/31/92
Activity Manager KA Hadley	Date 8/31/92	DOE Monitor SS Clark	Date
Milestone Complete	Date 08/31/92		

Facility Operations MILESTONE DESCRIPTION SHEET

Title SUBMIT PFP TANK INTEGRITY ASSESSMENT REPORT	Date 08/21/92
Assigned To PFP Environmental Compliance	CIN
Program WBS Designator 1.3.1.10 1KE	Completion Date 03/31/93
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☐ DOE ☐ RCRA ☒ TPA Driver: M-32-01 Under Negotiations	DELIVERABLE: ☒ Report ☐ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☐ DOE-RL ☒ Other (specify) Ecology
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Description and what constitutes completion of this commitment:

The dangerous waste tank systems at PFP have been undergoing tests for structural integrity, corrosion, waste compatibility and environmental compliance. This milestone will be completed when tank testing has been finalized and a Tank Integrity Assessment report for PFP has been written and submitted to Ecology.

Cost Account Manager JE Bramson <i>JE Bramson</i>	Date 07 Nov 1992	Program/Project Manager KA Hadley <i>KA Hadley</i>	Date 8/21/92
Activity Manager KA Hadley <i>KA Hadley</i>	Date 8/31/92	DOE Monitor SS Clark	Date
Milestone Complete	Date 08/31/92		

**WBS / ADS / FDS
1.3.1.10 / 4100 / KE**

Environmental Protection

1993 Master Program Schedule

X TAB -

WBS / ADS / FDS
1.3.1.11 / 4100 / K1

Program Direction and Support

- **WBS Dictionary Sheets**
- **Cost Account Authorizations**
- **Detailed Costs**
- **Milestone Description Sheets**
- **Master Program Schedule**

WBS / ADS / FDS
1.3.1.11 / 4100 / K1

Program Direction and Support

WBS Dictionary

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Program Direction and Support		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.11		5 WBS ELEMENT TITLE Program Direction and Support	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-top: 10px;"> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> </div> <div style="margin-top: 10px;"> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The Facility Operations Program Direction and Support (1.3.1.11) program element provides for management of common resources such as program and financial management, commitment planning, technical training and certification, non-plant-specific safeguards and security, and SNM disposition planning. Advanced planning and preliminary engineering in support of candidate capital projects required to maintain safe occupancy of Facility Operations plants are included along with the preparation of NEPA documentation.</p> </div>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Program Direction and Support		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.11.1		5 WBS ELEMENT TITLE Facility Operations Program Administration	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The Facility Operations program organizations serve as a central contact point between the Facility Operations Division, other WHC organizations, the DOE, and other outside agencies. Financial management support including budget planning, analysis, and reporting are also provided. New options/missions for operation of the former production facilities will be explored. Management and coordination of completion of the Facility Operations Tiger Team Actions is provided. Responses to audit reports, Operations Excellence assessments, root-cause assessment and training, and operational performance assessments for the former production facilities are coordinated. Included is funding to support offsite representatives on temporary assignment to the DOE. Also included is preparation of the draft Hanford Materials Management Plan in support of the DOE Complex's integrated plutonium processing and storage management.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Program Direction and Support		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.11.2		5 WBS ELEMENT TITLE Assessments	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Management of the collection and allocation of fixed assessments for the Facility Operations Division is provided. The only FY 1993 assessment planned for this activity is the BPA Energy Tax.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Program Direction and Support		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.11.3		5 WBS ELEMENT TITLE Facility Operations Technical Training	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Job-specific training for the 200 Area Facility Operations programs is provided. Training packages include proportional support to training of new operators, training of new and current first-line operation's supervisors, laboratory technicians, and maintenance personnel. Support to attaining certification reflects the future plans for the facilities and the current status of plans toward attaining certification. Support to computer-based training modules is limited to completing tasks needed for the standby operation of the former production facilities.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Program Direction and Support		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.11.4		5 WBS ELEMENT TITLE Facility Operations Safeguards and Security	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-top: 10px;"> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> </div> <div style="margin-top: 10px;"> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Provide administrative and technical support for Safeguards and Security (SAS) activities that cannot be specifically assigned to a major facility. Proportional funding for the 200 Area generic security support activities is included; for example, security maintenance for the Patrol headquarters facility. Generic security training for the Facility Operations 200 Area personnel is provided. Independent SNM overview activities driven by Facility Operations programs are also provided. Preparation and maintenance of SAS policies and procedures is included.</p> </div>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Program Direction and Support		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.11.5		5 WBS ELEMENT TITLE PUREX / UO₃ Plant Technology Development	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Funding includes support for the transition of the PUREX facility into short-term standby status and eventual shutdown execution. Support to UO₃ is limited to restart and completion of the stabilization campaign, and transition to short-term standby and eventual shutdown. Project support for the PUREX/UO₃ facilities is limited to ongoing projects and projects that support transition to short-term standby. Evaluation of irradiated fuels processing/handling options is funded separately by WBS element 1.3.1.11.8. Currently no projects have been identified for FY 1993.</p>

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US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Program Direction and Support		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.11.6		5 WBS ELEMENT TITLE PFP Technology Development	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Funding includes support toward the operation of the current stabilization campaign, the assessment of long-term stabilization of special nuclear material, and the development of long-term missions for the PFP in support of the Environmental Restoration and Waste Management vision for the Hanford Site. Included is technology and project support for the development and installation of facilities/upgrades necessary for the long-term occupancy of the PFP facility. Expense support is provided for the PFP facility for non-environmental candidate line-item projects, (GPPs), (CWOs), and (CENRTC). Included is funding for (KEH) and direction and support from Westinghouse Hanford. Specifically included is funding and direction for the preparation of (CDRs) and support to current capital planning. Completion of CDRs is timed to support appropriate capital funding authorization of the project. Support is also provided for review and overview organizations associated with the planning and issuance of project documentation.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Program Direction and Support		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.11.7		5 WBS ELEMENT TITLE Advanced Planning and Technology Development	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <p>A. COST CONTENT The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, on-site contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT Research, development, and demonstration of handling, storage, and stabilization technologies is provided. Technical interface and exchange between the Hanford Site and other DOE sites to share information related to the handling, storage, and stabilization of SNM is provided. Includes technical support for the development and approval of SNM packaging and shipping configurations for use by Facility Operations. Provides engineering support for on-site packaging and shipping, including preparation of Safety Analysis Reports for Shipping (SARPs), and review of packaging and shipping procedures. Also include preparation of the Material Management Plan in support of DOE Complex integrated plutonium processing and storage management. Provides coordination and interface with other sites with respect to potential and actual shipments.</p> <p>Provides advanced planning and development support for non-environmental activities for Facility Operations. Include responses to special requests from the DOE-RL for long-term processing and storage options, and the preparation of material inventory lists.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT Program Direction and Support		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.11.8		5 WBS ELEMENT TITLE Facility Operations NEPA Documentation	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Manage preparation of the technical bases for the Irradiated Fuels EIS. Includes development and evaluation of options for the long-term processing and storage of the Hanford Site Irradiated Fuels. Includes programmatic interface between Facility Operations and the DOE, state agencies, and others for the presentation/approval of the Irradiated Fuels.</p> <p>Provides for preparation of the technical bases for the long-term missions options for the PFP and PUREX facilities and preparation and approval of Facility Operations programs-generated NEPA documentation.</p>			

WBS / ADS / FDS
1.3.1.11 / 4100 / K1

Program Direction and Support
1993 Cost Account Authorizations

1 Cost Account 1K1101		CAA Title Fac Ops Program Admin		COST ACCOUNT AUTHORIZATION		Activity Mgr. C. M. Kronvall		Date 08/12/92	
Resp. Org. Title/Code Fac Ops Prog Management		Facility Ops Program 10200		PROGRAM/PROJECT 1K1 - Program Management		Original		Rev.	
Cost Acct. Mgr./Phone C. M. Kronvall 3-4085		3-4085		Original Budget (K \$) 1,305		Budget Prior Revision		Current Total Budget	
Funding Source: ☒ Operating Expense ☐ Line Item FY		Operating Expense		Original Budget (K \$) 1,305		Budget Prior Revision		Current Total Budget	
CENRTC FY		Small Projects FY		Start		Complete		Start	
10/01/92		09/30/93		10/01/92		09/30/93		10/01/92	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		Y = TPA	
Ref. Sched. No.		CENRTC FY		Small Projects FY		Start		Complete		Start	
10/01/92		09/30/93		10/01/92		09/30/93		10/01/92		10/01/92	

Type	Description	Date
K	Draft Hanford Material Management Plan submitted to RL	09/30/93
O	Issue Operation and Transition Programs Monthly Report (7th of each month)	monthly
O	Submit monthly Scrap Evaluation Report to DOE-RL	monthly
O	Submit PFP Storage and Pedestal Study to DOE-RL	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (capital justification)
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Manage a broad range of activities related to current and future Facility Operations Division mission goals. Provide the lead interface between the Facility Operations Division and other WHC Divisions/Departments, RL, DOE-HQ, and other DOE complex contractors. Provide management and information in support of Nuclear Material movement and storage. Provide management of the "K1" End Function budget. Manage the scoping, preparation and issue of major Facility Operations environmental documentation. Manage the identification and preparation of safety/regulatory policies and documentation for the Facility Operations Division. Coordinate the management of capital funded activities for the Facility Operations Division. Provide offsite liaison personnel to the DOE-HQ.		ADS Number 4100	Total CAP \$000	G & A/CSP \$000	Total CAA \$000
		1,031	274		1,305

4 Distribution		Approvals			
(1) Program Administration/ Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(2) End Function Manager	Activity Manager			Program Administration	
(3) Activity Manager	End Function Manager			Cost Account Manager	
(4) Cost Acct. Manager	Cost Account Manager			Activity Manager	
	Program Administration			End Function Manager	

1 Cost Account 1K1102		CAA Title Fac Ops Program Admin		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT 1K1 - Program Management				Activity Mgr. C. M. Kronvall		Date 08/12/92																																											
Resp. Org. Title/Code Oper. Business Mgmt 10100		Fac Ops Program Control		Original Budget (K\$) 1,668				Start		Complete																																											
Cost Acct. Mgr./Phone J. O. Lundeen 3-1272		Operating Expense		Original Budget (K\$) 1,668				Start		Complete																																											
Funding Source: ☒ Operating Expense		Line Item FY		GPP FY				CENRTC FY		B&R Code																																											
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA																																											
Type		Description		Date		Monthly		Monthly		Monthly																																											
0	Submit Site Management System (SMS) Report to DOE-RL																																																				
0	Submit Progress Tracking System (PTS) Report to DOE-RL																																																				
0	Submit 5-Year ADS Plan to DOE-RL																																																				
0	Submit FY 1994 Work Plan to DOE-RL																																																				
0	Submit Mult-year Program Plan to DOE-RL																																																				
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)		<p>Provide development and coordination of financial objectives for the Facility. Operations Division. Provide direct financial management to the K1, K6, KE and KP Program activities. Prepare, input, and status budget statements. Interface with other Westinghouse Hanford Company (WHC) and Department of Energy (DOE) financial personnel. Provide direct financial management to the Facility Operations capital budget. Prepare budget alternatives and special analysis as requested by DOE and/or WHC management. Prepare Facility Operations program schedules, SMS reports, and PTS reports.</p>																																																			
4 Distribution		<table border="1"> <thead> <tr> <th colspan="2">Distribution</th> <th colspan="10">Approvals</th> </tr> <tr> <th>Title</th> <th>Authority to Initiate Planning</th> <th>Date</th> <th>Title</th> <th>Cost Account/Work Author Approval</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>(1) Program Administration/Project Control</td> <td>Activity Manager</td> <td></td> <td>Program Administration</td> <td><i>[Signature]</i></td> <td>10/31/92</td> </tr> <tr> <td>(2) End Function Manager</td> <td>End Function Manager</td> <td></td> <td>Cost Account Manager</td> <td><i>[Signature]</i></td> <td>11/2/92</td> </tr> <tr> <td>(3) Activity Manager</td> <td>Cost Account Manager</td> <td></td> <td>Activity Manager</td> <td><i>[Signature]</i></td> <td>11/2/92</td> </tr> <tr> <td>(4) Cost Acct. Manager</td> <td>Program Administration</td> <td></td> <td>End Function Manager</td> <td><i>[Signature]</i></td> <td>11/2/92</td> </tr> </tbody> </table>										Distribution		Approvals										Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date	(1) Program Administration/Project Control	Activity Manager		Program Administration	<i>[Signature]</i>	10/31/92	(2) End Function Manager	End Function Manager		Cost Account Manager	<i>[Signature]</i>	11/2/92	(3) Activity Manager	Cost Account Manager		Activity Manager	<i>[Signature]</i>	11/2/92	(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>[Signature]</i>	11/2/92
Distribution		Approvals																																																			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date																																																
(1) Program Administration/Project Control	Activity Manager		Program Administration	<i>[Signature]</i>	10/31/92																																																
(2) End Function Manager	End Function Manager		Cost Account Manager	<i>[Signature]</i>	11/2/92																																																
(3) Activity Manager	Cost Account Manager		Activity Manager	<i>[Signature]</i>	11/2/92																																																
(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>[Signature]</i>	11/2/92																																																

1 Cost Account 1K1104		CAA Title Fac Ops Program Admin		COST ACCOUNT AUTHORIZATION		Activity Mgr. C. M. Kronvall		Date 08/26/92	
Resp. Org. Title/Code Ops & Maintenance Imp 10300		Activity Title Oper and Maint Improvs		PROGRAM/PROJECT 1K1 - Program Management		Original		Rev.	
Cost Acct. Mgr./Phone G. P. Woodworth 3-5415		Original Budget (K\$) 601		Budget Prior Revision		Changes This Revision		Current Total Budget	
Funding Source: ☒ Operating Expense ☐ Line Item FY		GPP FY		Small Projects FY		Start		Complete	
CENRTC FY		BAR Code		10/01/92		09/30/93		Start	
Complete									

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type	Description	Date
Other	Prepare Quarterly Performance Indicators Report for DOE-RL	Qrtly
Other	Conduct the Monthly Nuclear Operations Improvement Council Meeting	Monthly
Other	Conduct the Monthly Operational Excellence Steering Committee Meeting	Monthly
Other	Prepare Facility Operations Self-Assessment Performance Objectives and Crit	01/31/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Manage improvement initiatives that have Division wide impact. Develop, track, and assist in the resolution of Tiger Team, QUEST, Root Cause analysis, and other action items. Develop trend, and present Division performance indicators for management action. Assist in the development and management of Conduct of Operations, Conduct of Maintenance, and other Division wide training programs. Coordinate and develop methods of improvement for work control, equipment reliability, and equipment calibration. Implement recommendations resulting from self-assessment findings.		ADS Number 4100	Total CAP \$000 475	G & A/CSP \$000 126	Total CAA \$000 601
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4 Distribution		Approval			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/ Project Control	Activity Manager		Program Administration	<i>J. W. Kelly</i>	10/30/92
(2) End Function Manager	End Function Manager		Cost Account Manager	<i>C. P. B. B. B.</i>	11/3/92
(3) Activity Manager	Cost Account Manager		Activity Manager	<i>R. P. B. B. B.</i>	11/3/92
(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>R. P. B. B. B.</i>	11/3/92

1 Cost Account 1K1301		CAA Title PFP/PUREX Training		COST ACCOUNT AUTHORIZATION				Activity Mgr. D. Schillperoot		Date 08/27/92	
Resp. Org. Title/Code Ops Tech Training		Activity Title Fac Ops Tech Training		PROGRAM/PROJECT 1K1 - Program Management				Original		Rev.	
Cost Acct. Mgr./Phone E. V. Weiss		Original Budget (K\$) 2,324		Budget Prior Revision		Changes This Revision		Start		Complete	
Funding Source: ☒ Operating Expense ☐ Line Item FY		Original Budget (K\$) 2,324		Budget Prior Revision		Changes This Revision		Start		Complete	
CENRTC FY		B&R Code		Small Projects FY		GPP FY		10/01/92		09/30/93	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type Other		Description Complete PRF Restart Training		Date 12/15/92	
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3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Support includes instructors, clerical, materials and equipment for the training of Nuclear Process Operators at the PFP and PUREX facilities. Also includes continuing development of updated training materials to maintain quality of previously updated training packages. Provide local HGET training at the facilities. Support certification program with administration of training and testing.

ADS Number	4100	
Total CAP \$000	G & A/CSP \$000	Total CAA \$000
1,838	487	2,324

4 Distribution		Approvals			
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(2) End Function Manager	Activity Manager		11-12-92	Program Administration	
(3) Activity Manager	End Function Manager			Cost Account Manager	
(4) Cost Acct. Manager	Cost Account Manager			Activity Manager	
	Program Administration			End Function Manager	

1 Cost Account 1K1302		CAA Title Fundamentals Training		COST ACCOUNT AUTHORIZATION		Activity Mgr. D. Schilperoot		Date 10/03/92	
Resp. Org. Title/Code Ops Tech Training 83110		Activity Title Fac Ops Tech Training		PROGRAM/PROJECT 1K1 - Program Management		Original		Rev.	
Cost Acct. Mgr./Phone E. V. Weiss		Line Item FY 3-3574		Original Budget (K\$) 374		Budget Prior Revision		Changes This Revision	
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY	
10/01/92		09/30/93		Start		Complete		Start	
10/01/92		09/30/93		Current Total Budget		Complete		Complete	

Ref. Sched. No. _____

Type	Description	Date
Other	Provide Nuclear Operator Fundamental Training Class 1	02/15/93
Other	Provide Nuclear Operator Fundamental Training Class 2	03/22/93
Other	Provide Nuclear Operator Fundamental Training Class 3	04/26/93
Other	Provide Nuclear Operator Fundamental Training Class 4	05/31/93
Other	Provide Nuclear Operator Fundamental Training Class 5	07/19/93
Other	Provide Nuclear Operator Fundamental Training Class 6	08/23/93
Other	Provide Nuclear Operator Fundamental Training Class 7	09/27/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provides continuing background/fundamentals training for 80% of the nuclear operators at PUREX/UO3 and PFP to satisfy DOE Order 5480.20. Training courses include fundamentals of math, chemistry, physics, and science relating to operators' workscope. Conduct of operations training will also be presented on a bill back basis (not funded here).

ADS Number	4100
Total CAP \$000	G & A/CSP \$000
Total CAA \$000	
295	78
	374

Distribution		Approvals	
Title	Authority to Initiate Planning	Date	Title
(1) Program Administration/Project Control	D. Schilperoot	11-6-92	Program Administration
(2) End Function Manager			Cost Account Manager
(3) Activity Manager			Activity Manager
(4) Cost Acct. Manager			End Function Manager

1 Cost Account 1K1303		CAA Title Supervisor Training		COST ACCOUNT AUTHORIZATION		Activity Mgr. D. Schilperoort		Date 10/03/92	
		Activity Title Fac Ops Tech Training		PROGRAM/PROJECT 1K1 - Program Management		Original		Rev.	
Resp. Org. Title/Code Ops Technical Trng 03110				Original Budget (K\$) 130		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone E. V. Weiss 3-3574				Budget Prior Revision		Start		Complete	
				130		10/01/92		09/30/93	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ BSR Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA
Ref. Sched. No.

Type	Description	Date
0	Provide Operations Manager/Supervisor Fundamentals Training Class 1	01/04/93
0	Provide Operations Manager/Supervisor Fundamentals Training Class 2	04/05/93
0	Provide Operations Manager/Supervisor Fundamentals Training Class 3	07/19/93
0	Provide Operations Manager/Supervisor Fundamentals Training Class 4	09/30/93
0	Provide Leadership Training for supervisor candidates	TBD

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (special justification)

Provide Operations manager/supervisor fundamentals training for supervisors at PUREX, UO3 and PFP. Includes training in fundamental chemistry, math, physics, and science principles as they apply to operations workspace. Also includes Leadership Training for supervisor candidates. Conduct of Operations Training will also be presented on a bill back basis (not funded here).

ADS Number	4100	
Total CAP \$000	3 & A/CSP \$000	Total CAA \$000
103	27	130

Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/ Project Control	<i>D. Schilperoort</i>	11-6-92	Program Administration	<i>G. Valley</i>	10/30/92
(2) End Function Manager			Cost Account Manager	<i>Ex. Weiss</i>	11-9-92
(3) Activity Manager			Activity Manager	<i>D. Schilperoort</i>	11-8-92
(4) Cost Acct. Manager			End Function Manager	<i>K. R. Lawrence</i>	11/2/92

1 Cost Account 1K1304		CAA Title Fac Maintenance Trng		COST ACCOUNT AUTHORIZATION		Activity Mgr. D. Schillperoot		Date 08/27/92	
Resp. Org. Title/Code Ops Technical Trng 03110		Activity Title Fac Ops Tech Training		PROGRAM/PROJECT 1K1 - Program Management		Original		Rev.	
Cost Acct. Mgr./Phone E. V. Weiss 3-3574		Original Budget (K\$) 381		Changes This Revision		Start		Complete	
Funding Source: ☒ Operating Expense		Original Budget (K\$) 381		Budget Prior Revision		Start		Complete	
☐ Line Item FY		GPP FY		Small Projects FY		CENRTC FY		B&R Code	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other	
Type		Description		Date		Ref. Sched. No.		T = TPA	
Deliverables:		Classroom training is provided for instrument techs and crafts personnel (millwrights, riggers, pipefitters, etc.). A training matrix for crafts personnel has been developed using a three month moving projection for scheduling. Required crafts training is current with number of employees to be trained and types of training required.							
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)		Funded Scope: Provide only essential technical training for maintenance crafts who support PUREX/UO3, and PFP. Support DOE Order 5480.20 requirements for maintenance training. Present existing material to support DOE Order 4330.4A. Conduct of Maintenance Training will also be presented on a bill back basis (not funded here).							
4 Distribution		Title		Authority to Initiate Planning		Date		Title	
(1) Program Administration/Project Control		Activity Manager		D. Schillperoot		11-6-92		Program Administration	
(2) End Function Manager		End Function Manager						Cost Account Manager	
(3) Activity Manager		Cost Account Manager						Activity Manager	
(4) Cost Acct. Manager		Program Administration						End Function Manager	
								Date	
								10/30/92	
								11-9-92	
								11-6-92	
								11/2/92	
								381	
								80	
								381	
								4100	
								Total CAP \$000	
								G & A/CSP \$000	
								Total CAA \$000	

1 Cost Account 1K1305		CAA Title PFP Lab Tech Training		COST ACCOUNT AUTHORIZATION				Activity Mgr. D. Schliperoot		Date 08/27/92	
		Activity Title Fac Ops Tech Training		PROGRAM/PROJECT 1K1 - Program Management				Original		Rev.	
Resp. Org. Title/Code Ops Technical Trng 03110				Original Budget (K\$)		Changes This Revision		Current Total Budget		Complete	
Cost Acct. Mgr./Phone E. V. Weiss 3-3574				Budget Prior Revision				Start		Complete	
				66				10/01/9209/30/93		Start	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ BAR Code	
Ref. Sched. No.	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Type		Description		Date							
Other		Train uncertified Chemical Technologist as needed for PRF Restart		12/31/92							

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provide requalification/qualification training to PFP Chem Techs, scientists, managers and supervisors for mandatory specific job requirements. These will include standard Laboratory practices, RCRA/CERCLA and Environmental requirements. Conduct of Operations training will also be presented on a bill back basis (not funded here).

ADS Number		4100	
Total CAP \$000		G & A/CSP \$000	
52		14	
		66	

4 Distribution		Approvals			
(1) Program Administration/Project Control		Title		Date	
(2) End Function Manager		Activity Manager		11-6-92	
(3) Activity Manager		Cost Account Manager		11-9-92	
(4) Cost Acct. Manager		Activity Manager		11-6-92	
		End Function Manager		11/2/92	

1 Cost Account 1K1306		CAA Title Technical Support		COST ACCOUNT AUTHORIZATION				Activity Mgr. D. Schilperoord		Date 08/27/92	
Resp. Org. Title/Code Ops Technical Trng 03110		Activity Title Fac Ops Tech Training		PROGRAM/PROJECT 1K1 - Program Management				Original		Rev.	
Cost Acct. Mgr./Phone E. V. Weiss		Line Item FY 3-3574		Original Budget (K\$) 121		Changes This Revision		Start		Complete	
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		10/01/92		09/30/93	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.		CENRTC FY		B&R Code							

Type Other		Description Complete update of PUREX Power Operator Job Analysis		Date 08/01/93	
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3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Funded Scope: Provide updated job analysis support to the PUREX/U03 and PFP operator training programs. This includes field work, on the job task analysis, interfacing with subject matter experts, and document preparation and modification.											
Unfunded Scope: Additional level of basic job analysis support beyond milestone work.											
<table border="1"> <tr> <td>ADS Number</td> <td>4100</td> </tr> <tr> <td>Total CAP \$000</td> <td>G & A/CSP \$000</td> </tr> <tr> <td>Total CAA \$000</td> <td></td> </tr> <tr> <td>96</td> <td>25</td> </tr> <tr> <td></td> <td>121</td> </tr> </table>		ADS Number	4100	Total CAP \$000	G & A/CSP \$000	Total CAA \$000		96	25		121
ADS Number	4100										
Total CAP \$000	G & A/CSP \$000										
Total CAA \$000											
96	25										
	121										

4 Distribution		Approvals			
(1) Program Administration/ Project Control		Title	Authority to Initiate Planning	Date	Title
(2) End Function Manager		Activity Manager	<i>D. Schilperoord</i>	11-6-92	Program Administration
(3) Activity Manager		End Function Manager			Cost Account Manager
(4) Cost Acct. Manager		Cost Account Manager			Activity Manager
		Program Administration			End Function Manager

1 Cost Account 1K1307		CAA Title Power Operator Training		COST ACCOUNT AUTHORIZATION				Activity Mgr. D. Schilperoort		Date 08/27/92	
		Activity Title Fac Ops Tech Training		PROGRAM/PROJECT 1K1 - Program Management				Original		Rev.	
Resp. Org. Title/Code Ops Technical Trng 03110				Original Budget (K\$) 674				Current Total Budget		Complete	
Cost Acct. Mgr./Phone E. V. Weiss 3-3574				Budget Prior Revision				Start		Start	
				Changes This Revision				Complete		Complete	
Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY				674				10/01/92		09/30/93	
				BAR Code							

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type	Description	Date
Other	Power Operator Fundamentals Class 1	11/08/92
Other	Power Operator Fundamentals Class 2	02/21/93
Other	Power Operator Fundamentals Class 3	05/21/93
Other	Power Operator Fundamentals Class 4	08/21/93
Other	Complete initial PFP Power Operator "Inside" Package Training	12/31/92
Other	Complete PFP Power Supervisor Package	12/31/92

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provides continuing background/fundamentals training for the Power Operators and Supervisors assigned to PFP, PUREX, U03 to satisfy DOE Order 5480.20. Support includes instructors, materials, equipment and some office staff. Training consists of instruction in basic math and science relative to the Power Operator job requirements. Continue development of upgraded training materials, maintain quality of existing training packages.

ADS Number	4100	Total CAP \$000	G & A/CSP \$000	Total CAA \$000
533	141			674

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/ Project Control	Activity Manager	11-6-92	Program Administration	B. Whalley	10/20/92
(2) End Function Manager	End Function Manager		Cost Account Manager	David E. ...	11-9-92
(3) Activity Manager	Cost Account Manager		Activity Manager	D. Schilperoort	11-6-92
(4) Cost Acct. Manager	Program Administration		End Function Manager	R. J. ...	11/2/92

1 Cost Account 1K1308	CAA Title Certification Program	COST ACCOUNT AUTHORIZATION				Activity Mgr. D. Schilperoort	Date 08/27/92
	Activity Title Fac Ops Tech Training	PROGRAM/PROJECT 1K1 - Program Management				Original	Rev.
Resp. Org. Title/Code Ops Technical Trng 03110	Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete	Start
Cost Acct. Mgr./Phone E. V. Weiss 3-3574	131				10/01/92	09/30/93	

Funding Source:	☒ Operating Expense	☐ Line Item FY	☐ GPP FY	☐ Small Projects FY	☐ CERTC FY	B&R Code
2 Controlled Milestones	M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA	Ref. Sched. No.

Type WMC Key	Description Complete PFP Operator Certification Packages for PRF restart	Date 12/01/92
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3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Funded Scope: Complete initial operator certification program for PFP Restart. This includes job task analysis, field work and documenting workscope, interface with subject matter experts, creation of new operator certification criteria documents.

ADS Number	4100
Total CAP \$000	G & A/CSP \$000
104	27
	131

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/ Project Control	D. Schilperoort	11-6-92	Program Administration	D. Schilperoort	10/10/92
(2) End Function Manager			Cost Account Manager	E. V. Weiss	11-9-92
(3) Activity Manager			Activity Manager	D. Schilperoort	11-6-92
(4) Cost Acct. Manager			End Function Manager	H. J. Banach	11/3/92

1 Cost Account 1K1400		CAA Title Security Ops 200 Areas		COST ACCOUNT AUTHORIZATION		Activity Mgr. R. L. Salley		Date 08/20/92	
		Activity Title Fac Ops Safe & Security		PROGRAM/PROJECT 1K1 - Program Management		Original		Rev.	
Resp. Org. Title/Code Operations Sec 200W 51170				Original Budget (K)		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone J. W. Gideon 3-5031				768					
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY	
		☐ CENRTC FY		B&R Code					

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
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Type		Description		Date	
Other		200 Areas Security Operations Report		Monthly	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provide the resources necessary to develop, administer, integrate, implement, and maintain the Security Systems, operations, and education programs in support of 200 Areas Facility Operations; determine and implement procedures governing the protection of special nuclear material, classified information, property and personnel; and assure compliance with Federal directives, company policies and contractual obligations for the security programs. Support the engineering, design and installation of physical security systems and their continued maintenance with appropriate parts inventory. Maintain and control security key control system for 200E, 200W, 600N and 100 Areas. Work will be performed in compliance with applicable DOE Orders and pertinent Plant operations procedures.		ADS Number		4100	
		Total CAP \$000		G & A/CSP \$000	
		607		161	
				768	

4 Distribution		Approvals			
		Title		Date	
(1) Program Administration/Project Control		Activity Manager		Program Administration	
(2) End Function Manager		End Function Manager		Cost Account Manager	
(3) Activity Manager		Cost Account Manager		Activity Manager	
(4) Cost Acct. Manager		Program Administration		End Function Manager	

1 Cost Account 1K1402		CAA Title Nuc. Matl Control Ovw		COST ACCOUNT AUTHORIZATION		Activity Mgr. R. L. Salley		Date 08/31/92	
		Activity Title Fac. Ops Safe & Security		PROGRAM/PROJECT 1K1- Program Manager		Original		Rev.	
Resp. Org. Title/Code Admin. Control		51210		Original Budget (K\$)		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone D. E. Six		6-7820		1,594					
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY	
		☐ CENRTC FY		BAR Code					

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
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0		Issue Material Control Storage Availability Data Sheet		Date Monthly	
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3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provide resources for Safeguards activities not directly associated with operating plants. Includes the management overview and administration of Facility Operations Programs safeguards activities, the development maintenance, and implementation of broad policy requirements associated with special nuclear materials control and accountability. Also included is the maintenance of the Material Control and Accountability Manual, and computer analyst support for operation and software maintenance of 200 Area nuclear accounting systems.										
* Program Dollars										
<table border="1"> <tr> <td>ADS Number</td> <td>4100</td> <td>Total CAA \$000</td> </tr> <tr> <td>Total CAP \$000</td> <td>G & A/CSP \$000</td> <td>Total CAA \$000</td> </tr> <tr> <td>1,260</td> <td>334</td> <td>1,594</td> </tr> </table>		ADS Number	4100	Total CAA \$000	Total CAP \$000	G & A/CSP \$000	Total CAA \$000	1,260	334	1,594
ADS Number	4100	Total CAA \$000								
Total CAP \$000	G & A/CSP \$000	Total CAA \$000								
1,260	334	1,594								

4		Distribution		Approvals	
(1) Program Administration/Project Control		Title		Date	
(2) End Function Manager		Activity Manager		Program Administration	
(3) Activity Manager		End Function Manager		Cost Account Manager	
(4) Cost Acct. Manager		Cost Account Manager		Activity Manager	
		Program Administration		End Function Manager	
		11-3-92		11-2-92	
		11-3-92		11-2-92	
		11-2-92		11-2-92	

1 Cost Account 1K1403		CAA Title Fac Ops Safe & Security		COST ACCOUNT AUTHORIZATION				Activity Mgr. R. L. Salley		Date 08/20/92	
		Activity Title Fac Ops Safe & Security		PROGRAM/PROJECT 1K1 - Program Management				Original		Rev.	
Resp. Org. Title/Code		Reports & Analysis 51610		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone		G. A. Hanson		272		275		-3		272	
		Line Item FY		6-5550						10/01/92	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY	
		☐ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		B&R Code	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type		Description		Date	
Other		Issue Safeguards and Security Status Summary		Monthly	
Other		Issue update of the SAS issues Status rpt and the Hanford SAS Issues St Rpt		6 Month	

3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (capital justification)

Provide Safeguards and Security resources to support Facility Operations generic issues, i.e., resources required to support Program activities vice specific Plant needs. Activities will include, but not be limited to, maintenance Site Security Plan, Monthly Quarterly Report issuance, the development and reporting of financial information for SAS activities, and related administration.

* Program Dollars

ADS Number	4100	
Total CAP \$000	G & A/CSP \$000	Total CAA \$000
215	57	272

4 Distribution		Approvals			
		Title		Date	
(1) Program Administration/Project Control		Activity Manager		Program Administration	
(2) End Function Manager		End Function Manager		Cost Account Manager	
(3) Activity Manager		Cost Account Manager		Activity Manager	
(4) Cost Acct. Manager		Program Administration		End Function Manager	
		Activity Manager		Program Administration	
		End Function Manager		Cost Account Manager	
		Cost Account Manager		Activity Manager	
		Program Administration		End Function Manager	

1 Cost Account IK1602	CAA Title PFP Tech Development	COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT IK1 - Program Management	Activity Mgr. D. T. Mildon	Date 08/25/92
	Activity Title PFP Engineering Studies		Original	Rev.
Resp. Org. Title/Code PFP Project	15550	Original Budget (K\$)	Start	Complete
Cost Acct. Mgr./Phone R. D. Keck	3-3012	563	10/01/92	09/30/93

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA

Type	Description	Date
0	Issue Monthly Status Report (By the 7th of each month)	monthly
0	Submit Draft Study of SNM Stabilization operations to reviewers per WHC-CM-5-5, Vol. 2	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Identify and complete Engineering Studies and Functional Design Criteria Documentation for non-environmental projects in support of the long-term stabilization of SNM, the development of long-term missions for the PFP, and the continued safe occupancy of the PFP. Evaluations should include process, utility, and SAS projects. Other expense support to capital projects is included in the scope of this activity.

Support to ongoing projects includes:

B-610 (PFP Central Monitoring and Power Control Room Upgrade), B-631 (PFP Life Safety Upgrades), C-097/C-110 (PFP Security and Alarm Upgrade/MAA Implementation), and C-171 (291-Z Process Air Compressors).

*Program Dollars

ADS Number	4100
Total CAP \$000	G & A/CSP \$000
447	116
	563

4 Distribution

Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/Project Control	Activity Manager		Program Administration	<i>G. Willey</i>	10/30/92
(2) End Function Manager	End Function Manager		Cost Account Manager	<i>R.D. Keck</i>	11/14/92
(3) Activity Manager	Cost Account Manager		Activity Manager	<i>W. H. H. H.</i>	11/16/92
(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>R. D. Keck</i>	11/13/92

1 Cost Account 1K1603		CAA Title PFP CDR/Proj.Dev/Support		COST ACCOUNT AUTHORIZATION				Activity Mgr. D. T. Mildon		Date 08/31/92	
Resp. Org. Title/Code PFP Projects		Activity Title PFP Tech and Development		PROGRAM/PROJECT 1K1 - Program Management		Original		Start		Complete	
Cost Acct. Mgr./Phone J. L. Monko		24540		Original Budget (K\$) 507		Budget Prior Revision		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone J. L. Monko		3-2159		507		Budget Prior Revision		Changes This Revision		Current Total Budget	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Workinghouse Key		O = Other		T = TPA	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Workinghouse Key		O = Other		T = TPA	
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0		Type		Description		Date	
0		Issue PUREX/PFP/U03 Projects Monthly Status Report		monthly		monthly	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provides expense funding for non-environmental projects in support of the long-term stabilization of SNM, the development of long-term missions for the PFP and the continued safe occupancy of the PFP. Specifically includes the management of Conceptual Design Report (CDR) completion, interface between KEH and WMC, scheduling of outages, work permits, safety walkdowns, and any other engineering services required for ongoing Projects C-110, 234-5Z MAA Access Control, and B-631, Fire Protection and Loss; C-097, PFP Security Alarm Upgrade; C-133, 291-Z Panelboard Upgrade; C-171, 291-Z Process Air Compressor Upgrade; B-610, PFP Instrument Upgrade.	
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4		Distribution		Approvals	
(1) Program Administration/Project Control		Title		Date	
(2) End Function Manager		Activity Manager		Program Administration	
(3) Activity Manager		End Function Manager		Cost Account Manager	
(4) Cost Acct. Manager		Cost Account Manager		Activity Manager	
		Program Administration		End Function Manager	

1 Cost Account		CAA Title		COST ACCOUNT AUTHORIZATION		Activity Mgr.		Date	
1K1702		PPSL Tech Develop/Demon		PROGRAM/PROJECT 1K1 - Program Management		R. L. Salley		08/25/92	
Resp. Org. Title/Code		Activity Title				Original		Rev.	
Plut Proc Sup Lab 28120		Adv. Plan. Tech. Dev.							
Cost Acct. Mgr./Phone		Line Item FY		Original Budget (K\$)		Changes This Revision		Current Total Budget	
C. S. Sutter 3-2426		3-2426		79					
Funding Source:		Operating Expense		GPP FY		Small Projects FY		CENRTC FY	
		☒		☐		☐		☐	
B&R Code									

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Weatherhouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type		Description		Date	
Other		Decontaminate one drum of Z-9 soil		07/30/93	
Other		Complete Z-9 Soil Decontamination Report		09/30/93	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provide the resource for technology development and demonstration in support of the PFP SNM residue stabilization. Perform assessments of technologies required for defined program activities and in accordance with established priorities. Carry out applicable research, bench scale, and pilot plant demonstration. Document results suitable for publication and/or progression to production levels. If material becomes available, demonstrate and report the removal of plutonium from Z-9 soil via the persulfate process.											
<table border="1"> <tr> <td>ADS Number</td> <td>4100</td> </tr> <tr> <td>Total CAP \$000</td> <td>G & A/CSP \$000</td> </tr> <tr> <td>Total CAA \$000</td> <td></td> </tr> <tr> <td>62</td> <td>17</td> </tr> <tr> <td></td> <td>79</td> </tr> </table>		ADS Number	4100	Total CAP \$000	G & A/CSP \$000	Total CAA \$000		62	17		79
ADS Number	4100										
Total CAP \$000	G & A/CSP \$000										
Total CAA \$000											
62	17										
	79										

4 Distribution		Approvals			
		Title	Authority to Initiate Planning	Date	Title
(1) Program Administration/Project Control		Activity Manager			Cost Account/Work Author Approval
(2) End Function Manager		End Function Manager			
(3) Activity Manager		Cost Account Manager			
(4) Cost Acct. Manager		Program Administration			
					Date
					11/2/92
					11/4/92
					11-2-92
					11-2-92

1 Cost Account 1K1704		CAA Title Nuc. Matls Pac & Shp Sup		COST ACCOUNT AUTHORIZATION				Activity Mgr. R. L. Salley		Date 08/31/92																																				
Activity Title Adv. Plan. Tech. Develp.		PROGRAM/PROJECT 1K1 - Program Management		Original Budget (K\$)		Changes This Revision		Start		Complete																																				
Resp. Org. Title/Code Packg. Safety Eng. 58100		Original Budget (K\$)		Budget Prior Revision		Current Total Budget		Start		Complete																																				
Cost Acct. Mgr./Phone J. G. Field 6-0781		76						10/01/92		09/30/93																																				
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY		B&R Code																																				
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA																																				
Type 0		Description Complete study of SAFEKEG versus new shipping containers		Date 06/30/93																																										
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)																																														
<p>Provide engineering support for packaging and shipping of nuclear materials offsite to include the following: establish and maintain DOE approved procedures for DOT-6M packaging; evaluate and recommend container leak testing hardware and procedures; evaluate and recommend use of alternate packaging configurations for offsite shipments of SNM, samples and standards, prepare and maintain Safety Analysis Reports for Packaging (SARPs) and Safety Evaluations for Packaging (SEPs); engineering design and analysis; review packaging and shipping procedures; logistics, secretarial, and other technical support. Perform study evaluating the benefits of the SAFEKEG versus the development of a new shipping container having similar attributes.</p>																																														
<table border="1"> <tr> <td>ADS Number</td> <td>4100</td> <td colspan="2"></td> </tr> <tr> <td>Total CAP \$000</td> <td>G & A/CSP \$000</td> <td colspan="2">Total CAA \$000</td> </tr> <tr> <td>60</td> <td>16</td> <td colspan="2">76</td> </tr> </table>												ADS Number	4100			Total CAP \$000	G & A/CSP \$000	Total CAA \$000		60	16	76																								
ADS Number	4100																																													
Total CAP \$000	G & A/CSP \$000	Total CAA \$000																																												
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4 Distribution																																														
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Title		Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date																																								
(1) Program Administration/Project Control	Activity Manager			Program Administration	<i>R. Salley</i>	11/2/92																																								
(2) End Function Manager	End Function Manager			Cost Account Manager	<i>R. Salley</i>	11/2/92																																								
(3) Activity Manager	Cost Account Manager		11/2/92	Activity Manager	<i>R. Salley</i>	11-2-92																																								
(4) Cost Acct. Manager	Program Administration			End Function Manager	<i>R. Salley</i>	11-2-92																																								

1 Cost Account 1K1706		CAA Title SNM Planning		COST ACCOUNT AUTHORIZATION		Activity Mgr. R. L. Salley		Date 08/20/92	
Resp. Org. Title/Code Strategic Sys Eng 01140		Activity Title Adv. Plan. Tech. Dev.		PROGRAM/PROJECT 1K1 - Program Management		Original		Rev.	
Cost Acct. Mgr./Phone S. M. O'Toole 6-4284		Original Budget (K\$) 34		Changes This Revision		Current Total Budget		Start Complete	
Funding Source: ☒ Operating Expense ☐ Line Item FY		Original Budget (K\$) 34		Budget Prior Revision		Start Complete		10/09/92 09/30/93	

☒ Small Projects FY ☐ GPP FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA

Other Submit final Cost Projection Modelling (PFP Processes) Inputs to DOE 03/31/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

As needed provide broad engineering/technical support to Facility Operations as follows: general support to PFP; technical support to Engineering Study evaluating options for stabilization/recovery/storage of Pu materials, and; support planning for Engineering Study for the long term storage of excess SNM within the Complex. Depending on the availability of resources, workscope could, by mutual agreement, be added and/or changed to satisfy newly defined needs.

ADS Number	4100
Total CAP \$000	G & A/CSP \$000
27	7
34	

* Program Dollars

Distribution		Approvals		
Title	Authority to Initiate Planning	Date	Title	Date
(1) Program Administration/Project Control	Activity Manager		Program Administration	11/2/92
(2) End Function Manager	End Function Manager		Cost Account Manager	11/4/92
(3) Activity Manager	Cost Account Manager		Activity Manager	11-2-92
(4) Cost Acct. Manager	Program Administration		End Function Manager	11-2-92

1 Cost Account		CAA Title Facility Ops NEFA Docum		COST ACCOUNT AUTHORIZATION				Activity Mgr. Vacant		Date 08/27/92	
1K1A04		Irradiated Fuels EIS		PROGRAM/PROJECT 1K1 - Program Management				Original		Rev.	
Resp. Org. Title/Code		Systems Engineering 25910						Start		Complete	
Cost Acct. Mgr./Phone		R. L. McCormack 6-7057						10/01/92		09/30/93	

Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY		B&R Code	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA		Ref. Sched. No.	

Type	Description	Date
DOE-RL	Provide Irradiated Fuels EIS Scoping Letter	09/30/93
WHC Key	Issue Summary Information Document for Irradiated Fuel Storage	09/30/93
WHC Key	Issue Summary Information Document for Enhanced Irradiated Fuel Storage	09/30/93
WHC Key	Issue Engineering Study/Flowsheet Document for Fuel Stabilization Database	09/30/93
WHC Key	Issue Engineering Study for Alternative Storage Database	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

The objective of this activity is to provide the technical database required for preparation of the Hanford Irradiated Fuels EIS. Options identified via the advanced scoping letter will provide the basis for inputs to the Information Documents and Engineering Studies. The technical information will then be utilized by a contracted EIS preparer to draft the actual EIS document. Scope for FY 1993 does not include funding of the EIS preparer due to schedule delays caused by FY 1992 mid year budget reductions.

Rate change incorporated 10/27/92	
ADS Number	4100
Total CAP \$000	G & A/CSP \$000
625	166
791	

Distribution		Approvals			
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(2) End Function Manager	Activity Manager			Program Administration	11/2/92
(3) Activity Manager	End Function Manager			Cost Account Manager	11/3/92
(4) Cost Acct. Manager	Cost Account Manager			Activity Manager	11/2/92
	Program Administration			End Function Manager	11/2/92

1 Cost Account		CAA Title PFP NEPA Support		COST ACCOUNT AUTHORIZATION				Activity Mgr. vacant		Date 07/20/92	
1K1A08		Activity Title Facility Ops NEPA Docum		PROGRAM/PROJECT 1K1 - Program Management				Original		Rev.	
Resp. Org. Title/Code		PFP Systems & Tech 15550		Original Budget (K\$)		Changes This Revision		Current Total Budget		Start Complete	
Cost Acct. Mgr./Phone		RD Keck 3-3012		143						10/01/92 09/30/93	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
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Type K		Description Initiate Technical Support Document Preparation		Date 04/03/93	
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3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

The objective of this activity is to initiate the preparation of a technical database to support preparation of PFP NEPA documentation. Included is support to the PFP Systems and Technology (15550), PFP Environmental Compliance (15540), and NEPA Documentation (81180) organizations for the preparation of the PFP Technical Support Document. Does not include information Bulletin and Environmental Evaluation support from the NEPA Documentation (81180) Organization.

4 Distribution		Approvals					
(1) Program Administration/Project Control		Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(2) End Function Manager		Activity Manager				S. J. Kelly	10/30/92
(3) Activity Manager		End Function Manager				W. J. Kelly	11/14/92
(4) Cost Acct. Manager		Cost Account Manager				R. J. Bonar	11/3/92
		Program Administration				R. J. Bonar	11/3/92

WBS / ADS / FDS
1.3.1.11 / 4100 / K1

Program Direction and Support

Detailed Costs

FACILITY OPERATIONS - 1.3.1 FISCAL YEAR 1993 WORK PLAN

Listed on the following pages is a summary of approved Cost Account Authorizations (CAAs) issued to cost account managers to establish the budget baseline for FY 1993.

FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN
PROGRAM DIRECTION AND SUPPORT - 1.3.1.11
Budget and Staffing Summary
(\$000's)

<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
K1101 Facility Operations Program Management	\$ 1,305	11.2
K1102 Facility Operations Program Control	1,668	16.8
K1104 Operations and Maintenance Improvements	601	4.8
K11 - Facility Operations Program Administration	3,574	32.8
 K1203 Energy Tax	 99	 0.0
K12 - Assessments	99	0.0
 K1301 PFP / PUREX Training	 2,324	 22.5
K1302 Operator Training	374	3.0
K1303 Supervisor Training	130	1.0
K1304 Facility Maintenance Training	381	3.0
K1305 PFP Lab Tech Training	66	0.5
K1306 Technical Support	121	1.0
K1307 Power Operator Training	674	6.0
K1308 Certification Program	131	0.3
K13 - Facility Operations Technical Training	4,201	37.3

FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN
PROGRAM DIRECTION AND SUPPORT - 1.3.1.11
Budget and Staffing Summary
(\$000's)

	<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
K1400	Security Operations - 200 Area	768	5.5
K1402	Nuclear Material Control Overview	1,594	12.4
K1403	Planning and Analysis	272	2.3
	K14 - Facility Operations Safeguards and Security	<hr/> 2,634	<hr/> 20.2
	K15 - PUREX/UO ₃ Plant Technology and Development	0	0.0
K1602	PFP Engineering Studies	563	4.8
K1603	PFP CDR/Project Development	507	4.0
	K16 - PFP Technology Development	<hr/> 1,070	<hr/> 8.8
K1701	Systems Engineering	59	0.6
K1702	PPSL Tech Development/Demonstration	79	0.7
K1704	Nuclear Materials Packaging & Shipping Suppt.	76	0.7
K1706	Advanced Planning	34	0.3
	K17 - Advanced Planning and Technology Development	<hr/> 248	<hr/> 2.3

FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN
PROGRAM DIRECTION AND SUPPORT - 1.3.1.11
Budget and Staffing Summary
(\$000's)

	<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
K1A04	Irradiated Fuels EIS	791	6.2
K1A08	PFP NEPA Support	143	0.8
	K1A - Facility Operations NEPA Documentation	934	7.0
	TOTAL K1 - Program Management	\$ 12,760	108.4

WBS / ADS / FDS
1.3.1.11 / 4100 / K1

Program Direction and Support
Milestone Description Sheets

Facility Operations MILESTONE DESCRIPTION SHEET

Title SUBMIT DRAFT HANFORD MATERIALS MANAGEMENT PLAN TO DOE-RL	Date 08/21/92
Assigned To Facility Operations Program Management	CIN
Program WBS Designator 1.3.1.11 1K1	Completion Date 09/15/93
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☒ DOE ☐ RCRA ☐ TPA Driver: DOE Order 5660.1	DELIVERABLE: ☒ Report ☐ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
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Description and what constitutes completion of this commitment:

The Hanford Materials Management Plan is prepared annually per the requirements of DOE Order 5660.1. Submission of a draft Hanford Materials Management Plan to DOE-RL will complete this milestone.

Cost Account Manager CM Kronvall	Date 8/31/92	Program/Project Manager CM Kronvall	Date 8/31/92
Activity Manager CM Kronvall	Date 8/31/92	DOE Monitor SS Clark	Date
Milestone Complete	Date 08/31/92		

Facility Operations MILESTONE DESCRIPTION SHEET

Title INITIATE PFP NEPA DOCUMENTATION, SCOPING AND PLANNING	Date 08/21/92
Assigned To PFP Systems and Technology	CIN
Program WBS Designator 1.3.1.11 1K1	Completion Date 04/03/93
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☒ DOE ☐ RCRA ☐ TPA Driver: DOE Order 5440.1D	DELIVERABLE: ☐ Report ☒ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
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Description and what constitutes completion of this commitment:

PFP NEPA Documentation must be completed to determine the future of the facility. A PFP Technical Support Document will be prepared to initiate NEPA Documentation for PFP. Transmission of a letter to DOE-RL, confirming the initiation of the Technical Support Document, will complete this milestone.

Cost Account Manager RD Keck	Date 9/1/92	Program/Project Manager RR Borisch	Date 11/10/92
Activity Manager RR Borisch	Date 11/9/92	DOE Monitor SS Clark	Date
Milestone Complete	Date	09/01/92	

Facility Operations MILESTONE DESCRIPTION SHEET

Title COMPLETE SCOPING OF IRRADIATED FUELS EIS	Date 08/21/92
Assigned To Facility Operations Systems Engineering	CIN
Program WBS Designator 1.3.1.11 1K1	Completion Date 09/30/93
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☒ DOE ☐ RCRA ☐ TPA Driver: DOE Order 5440.1D	DELIVERABLE: ☐ Report ☒ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
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Description and what constitutes completion of this commitment:

Summary Information Documents for Irradiated Fuel Storage and Enhanced Irradiated Fuel Storage; and Engineering Studies for Flow Sheet Document for Fuel Stabilization and Alternative Storage Database will be prepared in FY 1993. Upon completion of these activities an Irradiated Fuels EIS Scoping Letter will be issued. This milestone will be completed when the Irradiated Fuels EIS Scoping Letter is transmitted to DOE-RL.

Cost Account Manager RL McCormack <i>RL McCormack</i>	Date 11/15/92	Program/Project Manager CM Kronvall <i>CM Kronvall</i>	Date 8/31/92
Activity Manager CMK Kronvall <i>CMK Kronvall</i>	Date 8/31/92	DOE Monitor SS Clark	Date
Milestone Complete	Date 08/31/92		

**WBS / ADS / FDS
1.3.1.11 / 4100 / K1**

**Program Direction and Support
1993 Master Program Schedule**

Westinghouse
Hanford Company

WBS	DESCRIPTION	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1.3.1.11	PROGRAM DIRECTION & SUPPORT													
1.3.1.11-1	PROGRAM ADMINISTRATION													
1.3.1.11-2	NUCLEAR MATERIAL MANAGEMENT													
1.3.1.11-3	PFP NEPA													
1.3.1.11-4	IRRADIATED FUELS EIS													

THIS SCHEDULE BASED UPON THE MASTER SUMMARY SCHEDULE	PROGRAM TITLE	FACILITY OPERATION
PLANNER	SCHEDULE TITLE	K1 FY 1993 PROGRAM PLAN
A. C. HANSON 3-1774	SCHEDULE NO.	K1-92-08-14MDS
ONE	DATE	08 NOVEMBER 1992
ONE	REVISION NO.	0

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**WBS / ADS / FDS
1.3.1.12 / 4100-1 / KC**

DOE Order Compliance

- **WBS Dictionary Sheets**
- **Cost Account Authorizations**
- **Detailed Costs**
- **Milestone Description Sheets**
- **Master Program Schedule**

**WBS / ADS / FDS
1.3.1.12 / 4100-1 / KC**

DOE Order Compliance

WBS Dictionary

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT DOE Order Compliance		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.12		5 WBS ELEMENT TITLE DOE Order Compliance	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION			
<p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The DOE order compliance (1.3.1.12) program element provides for management of resources for DOE order compliance self-assessment activities, for Facility Operations plants. This includes preparation of program implementation plans, action plans, schedules, compliance assessment documentation, and related reports.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT DOE Order Compliance		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.12.1		5 WBS ELEMENT TITLE DOE Order Compliance	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION			
<p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Provide a self-assessment to determine compliance with 93 level 1 DOE Orders applicable to WHC activities. Provides a line-by-line assessment of the incorporation of the order requirements into WHC management controls and personnel training. DOE Order compliance self-assessment activities shall be conducted in accordance with WHC-IP-0836. DOE Order Compliance self-assessment activities lack sufficient funding. Current funding of \$1.8M applies only to PFP, K-Basins, and UO₂ workscope. This does not address workscope or budget related to implementation of Recommendation 90-2 (RIDs development).</p>			

**WBS / ADS / FDS
1.3.1.12 / 4100-1 / KC**

DOE Order Compliance

1993 Cost Account Authorizations

1 Cost Account		CAA Title DOE Order Compliance		COST ACCOUNT AUTHORIZATION				Activity Mgr. GC Mooers		Date 08/17/92	
1KC101		Activity Title DOE Order Compliance		PROGRAM/PROJECT 1KC DOE Order Compliance				Original		Rev.	
Resp. Org. Title/Code		Operations Programs 10200		Original Budget (K\$)		Changes This Revision		Current Total Budget		Complete	
Cost Acct. Mgr./Phone		Ron Warnecke 3-5383		1,600						Start	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		B&R Code	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Workinghouse Key		O = Other		T = TPA	

2		Type		Description		Date	
R				Complete data entry of Pilot Self-Assessments Program in RSAD and QUEST		11/30/92	
R				Complete PFP, K-BASINS, and U03 Pilot Order Compl. Self Assessment Program		01/20/93	
R				Implement Long-Term Order Compliance Self-Assessment Program		09/30/93	

3		Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provide a self-assessment to determine compliance with ninety-three level 1 DOE Orders applicable to WHC activities and the explicit mandatory and non-mandatory requirements stated in the text of these Orders. Provides a line-by-line assessment of the incorporation of the Order requirements into WHC management controls and the training of personnel. DOE Order Compliance assessments activities shall be conducted in accordance with WHC-IP-0836. DOE Order Compliance self-assessment activities lack sufficient funding. Current funding of \$1.8M applies only to PFP, K-Basins, and U03 workslope. This does not address workslope or budget related to implementation of Recommendation 90-2 (RIDs development).	
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4		Distribution		Approvals			
(1) Program Administration/Project Control		Title		Authority to Initiate Planning		Date	
(2) End Function Manager		Activity Manager				Program Administration	
(3) Activity Manager		End Function Manager				Cost Account Manager	
(4) Cost Acct. Manager		Cost Account Manager				Activity Manager	
		Program Administration				End Function Manager	
						Cost Account/Work Author Approval	
						Date	
						10/30/92	
						10/30/92	
						10/30/92	
						11/10/92	

**WBS / ADS / FDS
1.3.1.12 / 4100-1 / KC**

DOE Order Compliance

Detailed Costs

FACILITY OPERATIONS - 1.3.1 FISCAL YEAR 1993 WORK PLAN

Listed on the following pages is a summary of approved Cost Account Authorizations (CAAs) issued to cost account managers to establish the budget baseline for FY 1993.

**FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN**

**DOE ORDER COMPLIANCE - 1.3.1.12
Budget and Staffing Summary
(\$000's)**

<u>COST ACCOUNT/ACTIVITY TITLE</u>		<u>Budget</u>	<u>FTEs</u>
KC101	DOE Order Compliance	\$ 1,600.0	13.2
KC - DOE Order Compliance		<u>\$ 1,600.0</u>	<u>13.2</u>

WBS / ADS / FDS
1.3.1.12 / 4100-1 / KC

DOE Order Compliance
Milestone Description Sheets

**FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORK PLAN**

No Milestone Description Sheets for this Program Element.

**WBS / ADS / FDS
1.3.1.12 / 4100-1 / KC**

DOE Order Compliance

1993 Master Program Schedule

CY 1992		CY 1993												CY 1994	
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
WBS	DESCRIPTION														
1.3.1.12	DOE ORDER COMPLIANCE	<p>REVIEW DATA</p> <p>COMPLETE DATA ENTRY OF PILOT SELF ASSESSMENT FOR INTO RSLD & QUEST</p> <p>COMPLETE PTP/K-BASTIN/DOE PILOT ORDER COMPLIANCE SELF-ASSESSMENT PROGRAM</p> <p>IMPLEMENT LONG TERM ORDER COMPLIANCE SELF-ASSESSMENT PROGRAM</p> <p>ATTEND DOE APPROVAL OF PILOT FROM RESULTS</p> <p>ADDRESS REMAINING APPLICABLE LEVEL 1 DOE ORDERS</p>													
WBS	DESCRIPTION	<p>THIS SCHEDULE SUBMITTED TO MASTER SUMMARY SCHEDULE</p> <p>PLANNER A. C. HANSON 3-1774</p> <p>PAGE ONE OF ONE</p> <p>DATE 06 NOVEMBER 1992</p> <p>WBS NO. 1.3.1.12</p> <p>RETIREMENT NO. 0</p> <p>PROGRAM TITLE FACILITY OPERATION</p> <p>SCHEDULE TITLE KC FY 1993 PROGRAM PLAN</p> <p>SCHEDULE NO. KC-92-08-14MOS</p>													

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**WBS / ADS / FDS
1.3.1.2 / 4110 / KK**

K Basin Operations

- **WBS Dictionary Sheets**
- **Cost Account Authorizations**
- **Detailed Costs**
- **Milestone Description Sheets**
- **Master Program Schedule**

**WBS / ADS / FDS
1.3.1.2 / 4110 / KK**

K Basin Operations

WBS Dictionary

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT K Basin Operations		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.2		5 WBS ELEMENT TITLE K Basins	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The K Basins will continue to be used for storage of irradiated fuel for up to 20 years. Upgrades of the basin facilities and encapsulation of the fuel stored in the KE Basin will continue through FY 1993. The K Basins will continue to be operated and maintained to support the safe and secure storage of the fuel pending final disposition. Final disposition of the irradiated fuel in the K Basins and other facilities will be determined the Hanford Irradiated Fuels (EIS) environmental impact statement. Efforts also include those activities resulting from environmental/regulatory requirements involving RCRA closure activities, effluent and air sampling and monitoring system upgrades, and environmental surveillance.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT K Basin Operations		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.2.1		5 WBS ELEMENT TITLE Program Management and Integration	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES 			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-left: 20px;">A. COST CONTENT</div> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <div style="margin-left: 20px;">B. TECHNICAL CONTENT / WORK STATEMENT</div> <p>K Basin Operations program management activities include budget and cost/schedule control support; program integration, funds control, and program reporting. Also included is preparation of ADSs for the five-year plan, preparation of the fiscal-year work plan and multi-year program plan, as well as meeting site management system reporting requirements.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT K Basin Operations		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.2.2		5 WBS ELEMENT TITLE K Basin Operations	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION A. COST CONTENT The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP). B. TECHNICAL CONTENT / WORK STATEMENT K Basin Operations is responsible for maintaining and operating the existing irradiated fuel storage and support facilities to promote continued safe, environmentally sound, and cost-effective management of the N Reactor fuel inventory; maintaining minimum compliance with applicable federal and state regulations and DOE orders, and performing all necessary storage basin fuel handling and surveillance activities. Handling and disposal of dangerous wastes in accordance with applicable regulations is also included. Also included is zone reduction, maintenance of process standards and technical specifications, emergency response to security alarms, equipment and tool decontamination, support of KE/KW fuel storage basins life-span upgrades, and maintenance support.			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT K Basin Operations		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.2.3		5 WBS ELEMENT TITLE K Basin Upgrades	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Perform K Basin studies and related upgrades necessary for continued safe and efficient interim fuel storage. This process consists of two phases: Phase I includes several tasks required to be completed before the start of the fuel encapsulation, including: general KE storage basin upgrades; design, procurement, fabrication, installation, and verification of the KE/KW encapsulation equipment; procurement of additional MK II canisters; preparation of safety and environmental documentation; preparation of ALARA plans; performance of SAR and OSR reviews by the Safety and Environmental Advisory Council (SEAC); and performance of start-up readiness reviews by the Readiness Review Board (RRB). The majority of these efforts will be completed in FY 1992.</p> <p>Phase II involves encapsulation of the N fuel stored in 3,659 open canisters in the K East basin, re-encapsulation of the fuel stored in 1,773 MK I canisters in the KW storage basin, and preparation of empty canisters for disposal. This process is expected to continue through FY 1994.</p> <p>K Area upgrades also include performing interim fuel storage engineering studies; engineering support to water plant upgrades; sampling and characterization of KE residual materials; provide for roof repairs to 105-KE and 105-KW roofs, including issuance of Engineering Change Notice, materials procurement, construction, and waste disposal.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT K Basin Operations		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.2.4		5 WBS ELEMENT TITLE Regulatory Response	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Perform those activities required to comply with federal and state environmental regulations. These include performing environmental monitoring and surveillance, facility effluent monitoring sampling/analysis, RCRA permits and closures, and facility compliance modifications.</p> <p>RCRA permits and closures provides for the preparation, review, and approval of the 1706 KE Waste Treatment System Part A Withdrawal Request. This includes providing responses to Ecology comments on the documentation submitted in support of the proposed action. Also includes regulatory interface with EPA and Ecology, site characterization, decontamination, waste disposal, and facility modifications for any post-closure monitoring.</p> <p>Facility compliance modifications include design and construction of effluent monitoring system upgrades as identified in the FEMP.</p>			

**WBS / ADS / FDS
1.3.1.2 / 4110 / KK**

K Basin Operations

1993 Cost Account Authorizations

1 Cost Account KK101		CAA Title Program Management		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT K Basin Operations Program				Activity Mgr. Ken J. Kraemer		Date 08/28/92	
Resp. Org. Title/Code		Activity Title Program Mgt. & Integrati		Original Budget (K\$)		Changes This Revision		Current Total Budget		Start Complete	
Fuels & K/D Operati 11700		G.L. Bennett 3-1608		255						10/01/9209/30/93	
Cost Acct. Mgr./Phone		Operating Expense		GPP FY		Small Projects FY		B&R Code			
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		Ref. Sched. No.	
Type		Description		Date							
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)											
4 Distribution		Title		Authority to Initiate Planning		Date		Title		Cost Account/Work Author Approval	
(1) Program Administration/ Project Control		Activity Manager						Program Administration		10/28/92	
(2) End Function Manager		End Function Manager						Cost Account Manager		11/3/92	
(3) Activity Manager		Cost Account Manager						Activity Manager		10/28/92	
(4) Cost Acct. Manager		Program Administration						End Function Manager		11/6/92	
ADS Number:		4110		Total CAP \$000		G & A/CSP \$000		Total CAA \$000			
255											

1 Cost Account KK102	CAA Title Cost/Schedule/Budget Cont	COST ACCOUNT AUTHORIZATION				Activity Mgr. Ken J. Kraemer	Date 08/28/92
	Activity Title Program Mgmt. & Integrat	PROGRAM/PROJECT K Basin Operations Program				Original	Rev.
Resp. Org. Title/Code N Reactor Bus. Mgmt	11400	Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete
Cost Acct. Mgr./Phone Ken J. Kraemer	3-4596	529				10/01/92	09/30/93

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA

Type	Description	Date
Deliverable	Complete FY93 Budget Planning	
Deliverable	Prepare ADS input for 95 Five-year plan	
Deliverable	Provide monthly reporting to meet SMS, PTS, internal & external requirements	
Deliverable	Prepare Fiscal Year Work Plan	
Deliverable	Prepare Multi Year Work Plan	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide budget planning, funds control, and cost reporting for expense funds, capital line item funds, CENTRC funds, and capital work order funds. Manage the activities of the Change Control Board. Provide interface between WHC and the DOE management relative to overall site budgeting, planning, and reporting requirements. Provide coordination for ADS preparation as well as overall support for outyear planning requirements.

4 Distribution	Approvals			
	Title	Authority to Initiate Planning	Date	Title
(1) Program Administration/ Project Control	Activity Manager			Program Administration
(2) End Function Manager	End Function Manager			Cost Account Manager
(3) Activity Manager	Cost Account Manager			Activity Manager
(4) Cost Acct. Manager	Program Administration			End Function Manager

ADS Number 4110
Total CAP \$000
G & A/CSP \$000
Total CAA \$000
529

1 Cost Account KK103		CAA Title Nuclear Materials Planni Program Management		COST ACCOUNT AUTHORIZATION				Activity Mgr. Ken J. Kraemer		Date 08/28/92
Resp. Org. Title/Code Integrated Planning 01140		Original Budget (K\$) 44		Changes This Revision		Current Total Budget		Start		Complete
Cost Acct. Mgr./Phone R.L. Salley 2-3571		Original Budget (K\$) 44		Budget Prior Revision		Current Total Budget		Start		Complete
Funding Source: ☒ Operating Expense ☐ Line Item FY		GPP FY		Small Project FY		CENRTC FY		B&R Code		

2 Controlled Milestones		M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA
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Type	Description	Date

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

At direction of DOE-HQ, develop and produce reports on nuclear material inventories, production and shipping, and resolve report variances. Provide planning, technical support, analyses and information in support of various proposals, studies and requests in the areas of fuel movements, inventory planning, spent fuel analyses, isotopic analyses and contingency studies. Maintain and update computer code (BASIM) to simulate storage basin's receipts, shipments, inventories and storage availability.	
ADS Number	4110
Total CAP \$000	G & A/CSP \$000
Total CAA \$000	44

4 Distribution				Approvals			
(1) Program Administration/ Project Control	Title	Authority to Initiate Planning	Date	Cost Account/Work Author Approval	Date		
(2) End Function Manager	Activity Manager			RJ Kraemer	10/29/92		
(3) Activity Manager	End Function Manager			RJ Kraemer	11-9-92		
(4) Cost Acct. Manager	Cost Account Manager			RJ Kraemer	10/29/92		
	Program Administration			RJ Kraemer	11-9-92		

1 Cost Account 1KK201		CAA Title Continuity of Operations		COST ACCOUNT AUTHORIZATION				Activity Mgr. V. L. Hoefer		Date 08/28/92	
Resp. Org. Title/Code K Basins		Activity Title K Basin Operations		PROGRAM/PROJECT K Basin Operations Program				Original		Rev.	
Cost Acct. Mgr./Phone G. L. Bennett 3-1608		Line Item FY 11700		Original Budget (K\$) 18,461				Start 10/01/92		Complete 09/30/93	
Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code		M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA		Ref. Sched. No.				Start 10/01/92		Complete 09/30/93	
2 Controlled Milestones		M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA		Ref. Sched. No.				Start 10/01/92		Complete 09/30/93	
Type SEE ATTACHMENT		Description		Date				Start 10/01/92		Complete 09/30/93	
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)		Maintain and operate the irradiated fuel storage basins and support facilities at K Area in a safe, environmentally sound and cost effective manner. Nuclear safety considerations resulting from the storage of Special Nuclear Material (SNM) require compliance with OSR's and then related operating requirements. The storage of SNM also requires support from security and health physics personnel to provide both material and radiological protection. In addition, these facilities are supported by Industrial Safety Engineering, QA/QC, Maintenance, Fire Systems, Environmental, and Technical Safety groups. Ongoing tasks include SNM material and system surveillance, system and equipment maintenance, engineered upgrades, system operation, work control, filter component changeout, radioactive waste handling and packaging, decontamination activities, radiological control, and safety documentation upgrades.									
4 Distribution		Approvals									
(1) Program Administration/Project Control		Title Activity Manager		Authority to Initiate Planning		Date		Title Program Administration		Cost Account/Work Author Approval K. Kraemer	
(2) End Function Manager		Activity Manager		Authority to Initiate Planning		Date		Title Cost Account Manager		Cost Account/Work Author Approval G. L. Bennett	
(3) Activity Manager		Activity Manager		Authority to Initiate Planning		Date		Title Activity Manager		Cost Account/Work Author Approval V. L. Hoefer	
(4) Cost Acct. Manager		Program Administration		Authority to Initiate Planning		Date		Title End Function Manager		Cost Account/Work Author Approval G. L. Bennett	

1 Cost Account 1KK202		CAA Title Waste Handling		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT K Basins Operations Program				Activity Mgr. V. L. Hoefer		Date 08/26/92	
Resp. Org. Title/Code K Basins		Activity Title Basin Operations		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone C. D. Lucas		Line Item FY 3-1006		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Current Total Budget	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Deliverable Deliverable Deliverable		Description Document, package & ship low-level, hazardous, and radioactive mixed waste Perform waste characterization Provide for accountability requirements pertaining to specific waste		Date							
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification) Waste Handling in FY-93 consists of those activities required to transport, treat, characterize, package and prepare for disposal all hazardous, radiological, mixed and non-regulated solid wastes and hazardous, liquid wastes from routine K Basin operation. Included are costs to ensure compliance with WHC requirements, State and Federal Laws and DOE Orders and ensure adequate documentation of all waste shipments. Included in the support required for the limited handling and disposition of excess equipment and materials that cannot be released for public resale or are known to be contaminated, and demolition and removal of excess equipment that represents a hazard to continuing activities. This cost account will be supported by one work package which includes waste characterization analysis, and waste handling and shipping operations.											
4 Distribution				Approvals							
(1) Program Administration/ Project Control				Title Activity Manager		Authority to Initiate Planning		Date		Cost Account/Work Author Approval	
(2) End Function Manager				Title End Function Manager		Authority to Initiate Planning		Date		Cost Account/Work Author Approval	
(3) Activity Manager				Title Cost Account Manager		Authority to Initiate Planning		Date		Cost Account/Work Author Approval	
(4) Cost Acct. Manager				Title Program Administration		Authority to Initiate Planning		Date		Cost Account/Work Author Approval	

1 Cost Account 1KK203		CAA Title Waste Disposal		COST ACCOUNT AUTHORIZATION		Activity Mgr. V. L. Hoefer		Date 08/26/92	
Activity Title Basin Operations		PROGRAM/PROJECT K Basins Operations Program		Original		Start		Complete	
Resp. Org. Title/Code K Basins		Original Budget (K\$) 639		Changes This Revision		Current Total Budget		Start	
Cost Acct. Mgr./Phone C. D. Lucas		Line Item FY 3-1006		Budget Prior Revision		10/01/92		09/30/93	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones: M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA

Type	Description	Date
0	Dispose of 4,100 cu ft of low-level waste	09/30/93
0	Dispose of 90 containers of hazardous waste	09/30/93
0	Dispose of 15 cu ft of radioactive mixed waste	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide funds to dispose of all radioactive, hazardous, and mixed wastes generated during routine K Basin Operation. Funding represents costs for support organizations to perform disposal functions or to store (mixed) wastes. Waste results from 1) excess product chemicals, 2) contaminated excess property, 3) waste treatment and end products, 4) decontamination products. Waste disposal costs are allocated to the sender based on container volumes.

The cost account will be supported by three work packages for 1) hazardous, 2) mixed, and 3) low level wastes

ADS Number	4110
Total CAP \$000	G & A/CSP \$000
Total CAA \$000	639

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/Project Control	Activity Manager		Program Administration	<i>[Signature]</i>	10/29/92
(2) End Function Manager	End Function Manager		Cost Account Manager	<i>[Signature]</i>	10/29/92
(3) Activity Manager	Cost Account Manager		Activity Manager	<i>[Signature]</i>	11/03/92
(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>[Signature]</i>	11/03/92

1 Cost Account 1KK204		CAA Title K Area Patrol Assessment		COST ACCOUNT AUTHORIZATION				Activity Mgr. V. L. Hoefer		Date 08/28/92																															
Resp. Org. Title/Code Hanford Patrol		Activity Title K Basin Operations		PROGRAM/PROJECT K Basin				Original		Rev.																															
Cost Acct. Mgr./Phone V. G. Heiman		51800		Original Budget (Kt)		Budget Prior Revision		Changes This Revision		Current Total Budget																															
3-1780		641		Original Budget (Kt)		Budget Prior Revision		Changes This Revision		Current Total Budget																															
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY																															
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA																															
Type		Description		Date		Ref. Sched. No.		B&R Code		EW3010402																															
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)		<p>Provide Hanford Patrol support to the K Basin Program;</p> <p>1.) Prevent the theft, sabotage, diversion or unauthorized control of Special Nuclear Material;</p> <p>2.) Provide Protective Forces for facilities within the 100 K Area;</p> <p>3.) Control access to 100 K Area facilities, and the 100 Limited Area; and</p> <p>4.) Enforce county, state, and federal laws and statutes in the 100 K Area.</p>																																							
4 Distribution		<table border="1"> <tr> <td>ADS Number</td> <td>4110</td> <td colspan="2"></td> </tr> <tr> <td>Total CAP \$000</td> <td>G & A/CSP \$000</td> <td colspan="2">Total CAA \$000</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">641</td> </tr> </table>										ADS Number	4110			Total CAP \$000	G & A/CSP \$000	Total CAA \$000				641																			
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Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date																																				
(1) Program Administration/Project Control	Activity Manager		Program Administration	R. R. Kuehner	10/28/92																																				
(2) End Function Manager	End Function Manager		Cost Account Manager	V. G. Heiman	11-5-92																																				
(3) Activity Manager	Cost Account Manager	11-5-92	Activity Manager	V. G. Heiman	11/5/92																																				
(4) Cost Acct. Manager	Program Administration		End Function Manager	V. G. Heiman	11/6-92																																				

1 Cost Account 1KK205		CAA Title SAS K Basin		COST ACCOUNT AUTHORIZATION		Activity Mgr. V. L. Hoefer		Date 09/01/92	
Resp. Org. Title/Code SAS		Activity Title SAS K Basin		PROGRAM/PROJECT K Basin		Original		Rev.	
Line Item FY 3-9927		51000		Original Budget (K\$) 610		Budget Prior Revision		Current Total Budget	
Cost Acct. Mgr./Phone W. R. Brooksher		3-9927		Changes This Revision		Start		Complete	
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY	
M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
10/01/92		09/30/93		10/01/92		09/30/93		10/01/92	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.		Ref. Sched. No.		Ref. Sched. No.		Ref. Sched. No.		Ref. Sched. No.		Ref. Sched. No.	

Type		Description		Date	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provide Safeguards and Security support to the K Basin Program:							
<p>1.) General compliance with DOE orders for nuclear material control and accountability, operate systems for material account and reporting, assist with material transfers and shipments, and conduct MBA custodian training (\$173K);</p> <p>2.) Maintain Security representation, maintenance of security systems, and a security awareness program (\$325); and</p> <p>3.) Administer the SAS Sit Management System, and completed Special Protection Agreements for K Basin facilities (\$120).</p>							
<table border="1"> <tr> <td>ADS Number</td> <td>4110</td> </tr> <tr> <td>Total CAP \$000</td> <td>G & A/CSP \$000</td> </tr> <tr> <td>Total CAA \$000</td> <td></td> </tr> </table>		ADS Number	4110	Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
ADS Number	4110						
Total CAP \$000	G & A/CSP \$000						
Total CAA \$000							

4 Distribution		Approvals			
Title		Authority to initiate Planning		Date	
Activity Manager				Program Administration	
End Function Manager				Cost Account Manager	
Cost Account Manager				Activity Manager	
Program Administration				End Function Manager	

1 Cost Account 1KK301		CAA Title Life Extension Program		COST ACCOUNT AUTHORIZATION				Activity Mgr. V. L. Hoefer		Date 08/28/92	
Resp. Org. Title/Code Life Ext. Program 11600		Activity Title K Basin Upgrades		PROGRAM/PROJECT K Basin Operations Program				Original		Rev.	
Cost Acct. Mgr./Phone W. A. Frier 3-3946		Line Item FY 3-3946		Original Budget (K\$) 764				Start		Complete	
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ Small Projects FY				Start		Complete	
☐ GPP FY		☐ CENRTC FY				B&R Code		10/01/92		09/30/93	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type	Description	Date
R	Perform Independent Design Review	09/30/93
R	Perform 105KE/105KW Facility Upgrades Engineering Study	09/30/93
R	Complete Phase II & Phase III of the 105KE/105KW Seismic Analysis	03/31/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Complete Phase II and Phase III of the 105KE/105KW seismic analysis. Perform independent design review. 105KE/105KW Facility Upgrades Engineering Study will include: filling the discharge chutes with concrete, seismic upgrades for overstressed areas, roof repairs, and facility life extension upgrades. The study is being done to support a FY96 Line Item.

ADS Number	4110
Total CAP \$000	G & A/CSP \$000
Total CAA \$000	764

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/Project Control	Activity Manager		Program Administration	<i>R. B. Banger</i>	11/4/92
(2) End Function Manager	End Function Manager		Cost Account Manager	<i>W. A. Frier</i>	11/4/92
(3) Activity Manager	Cost Account Manager		Activity Manager	<i>J. J. Banger</i>	11/23/92
(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>W. A. Frier</i>	11/4/92

1 Cont Account 1KK304		CAA Title KE Basin Fuel Encapsulat		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT K Basin Operations Program		Activity Mgr. VL Hoefer		Date 08/28/92	
Resp. Org. Title/Code K Basins		11700		Original Budget (K \$)		Current Total Budget		Original	
Cost Acct. Mgr./Phone JD Mathews		3-4598		8,439				Rev.	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other	
Type		Description		Date		Ref. Sched. No.			
K	Complete Sludge Removal from KE Discharge Chute			11/30/92					
K	Initiate KE Basin Fuel Encapsulation			01/31/93					
K	Complete Encapsulation of 500 Fuel Canisters in the K East Basin			06/30/93					
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)									
Encapsulation of the irradiated fuel inventory stored in the K East fuel storage basin will support continued safe storage of the fuel until future disposition plans are implemented. This fuel inventory will be encapsulated by operations personnel with support from Technical and Industrial Safety, QA/QC, Engineering, Health Physics, and Maintenance. Tasks include fuel repackaging, encapsulation of newly packaged fuel, crushing and disposal of canisters, contamination control, and waste.									
4 Distribution		Approvals							
Title		Authority to Initiate Planning		Date		Title		Cost Account/Work Author Approval	
(1) Program Administration/Project Control		Activity Manager				Program Administration		11/12/92	
(2) End Function Manager		End Function Manager				Cost Account Manager		11/12/92	
(3) Activity Manager		Cost Account Manager				Activity Manager		11/12/92	
(4) Cost Acct. Manager		Program Administration				End Function Manager		11/12/92	

1 Cost Account 1KK311		CAA Title K Area Roof Repairs		COST ACCOUNT AUTHORIZATION				Activity Mgr. V. L. Hoefer		Date 10/30/92	
		Activity Title K Basin Upgrades		PROGRAM/PROJECT K Basin Operations Program				Original		Rev. 0	
Resp. Org. Title/Code		Life Extension Prog 11810		Original Budget (K\$)		Changes This Revision		Current Total Budget		Start Complete	
Cost Acct. Mgr./Phone		W. A. Frier 3-3946		1,257						10/01/92 09/30/93	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA Ref. Sched. No.

Type	Description	Date
0	Issue 105-KE ECN for review/approval	10/14/92
0	Award contract for roof consultant	10/30/92
0	Issue Engineering Test Plan for review/comment	11/16/92
0	Issue authority to proceed with 105-KE shoring	11/10/92

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This Cost Account provides for repairs to 105-KE and 105-KW roofs. The Cost Account includes issuance of engineering change notices, materials procurement, construction, and waste disposal.

ADS Number	4110		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
			1,257

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/ Project Control	J. L. Hoefer	11/03/92	Program Administration	R. K. Ruemer	11/4/92
(2) End Function Manager			Cost Account Manager	J. L. Hoefer	11/4/92
(3) Activity Manager	W. A. Frier	10/13/92	Activity Manager	J. L. Hoefer	11/23/92
(4) Cost Acct. Manager	R. K. Ruemer	11/04/92	End Function Manager	J. L. Hoefer	11/6/92

1 Cost Account 1KK401		CAA Title K Basin Reg Resp/Pro Mgt		COST ACCOUNT AUTHORIZATION				Activity Mgr. J. P. Schmidt		Date 08/28/92	
Resp. Org. Title/Code Environmental Safet 11120		Activity Title K Basin Regulatory Resp		PROGRAM/PROJECT K Basin Operations				Original		Rev.	
Cost Acct. Mgr./Phone D. J. Watson 3-3250		Line Item FY 3-3250		Original Budget (K\$) 57				Start		Complete	
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY				☐ Small Projects FY		CENRTC FY	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Type 0		Submit TPA quarterly progress report		Description quarterly		Date		Start		Complete	
Deliverable		Develop planning and budget baseline documentation									
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)											
<p>This cost account provides overall coordination, planning, scheduling, resource definition, and performance assessment for all elements for the Regulatory Response activity. It includes facility compliance assessments, planning and corrective actions, reporting (TPA quarterly), preparing technical reports, (e.g., waste stream characterization reports) and intraprogram coordination within WMC. The purpose of this task is to provide an orderly and systematic manner of addressing various environmental regulatory drivers as they change with consideration for facility status.</p>											
ADS Number		4110		Total CAP \$000		G & A/CSP \$000		Total CAA \$000		57	
4. Distribution											
(1) Program Administration/Project Control		Title		Authority to Initiate Planning		Date		Title		Cost Account/Work Author Approval	
(2) End Function Manager		Activity Manager						Program Administration		10/28/92	
(3) Activity Manager		End Function Manager						Cost Account Manager		11/3/92	
(4) Cost Acct. Manager		Cost Account Manager						Activity Manager		11-3-92	
		Program Administration						End Function Manager		1/6-92	

1 Cost Account 1KK402		CAA Title K BASINS ENV SURVEILLANCE		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT K BASIN OPERATIONS				Activity Mgr. J. P. Schmidt		Date 10/16/92	
Resp. Org. Title/Code Reg Field Support 88400		Activity Title K BASINS REG RESPONSE		Original Budget (K\$) 257		Changes This Revision		Current Total Budget		Rev.	
Cost Acct. Mgr./Phone B.G. ERLANDSON 6-5969		Line Item FY 6-5969		Budget Prior Revision		Original Budget		Start		Complete	
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		10/01/92		10/30/93	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Type		Description		Date		Ref. Sched. No.		B&R Code			
Quarterly Environmental Trend Reporting		Annual Effluent Release Report		06/01/93							
Annual Effluent Data Input to PNL Environmental Report		Annual Air Emissions Report (NESHAPS)		02/01/93							
EIS/ODIS Report to INEL, Idaho Falls		Annual Hanford Drinking Water report for the 100 areas		03/01/93							
Submit surveillance schedule.		Monthly NPDES Discharge Monitoring Report		03/01/93							
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)											
This cost account provides labor costs, materials and equipment, purchased services, services from other contractors, internal company charges and assessments, and departmental O/H, G/A.		ENVIRONMENTAL SURVEILLANCE AND INSPECTION:		ADS Number		4110		Total CAP \$000		Total CAA \$000	
* Prepare and submit a surveillance/inspection schedule matrixed to applicable portions of the Environmental Compliance Manual, WHC-CM-7-5.		* Perform surveillance/inspection and report results per the above schedule.		Total CAP \$000		G & A/CSP \$000				257	
SPILL REPORTING:		* Receive information regarding spills and evaluate for reporting and notification purposes.									
* Provide necessary reports and notification to EPA/WDOE as required.											
4 Distribution		Approvals		Title		Date		Cost Account/Work Author Approval		Date	
(1) Program Administration/Project Control		Activity Manager		Program Administration		11/3/92		K. Kraemer		11/3/92	
(2) End Function Manager		End Function Manager		Cost Account Manager							
(3) Activity Manager		Cost Account Manager		Activity Manager		11-3-92		B. ERLANDSON		11-3-92	
(4) Cost Acct. Manager		Program Administration		End Function Manager		1-6-92		B. ERLANDSON		1-6-92	

1 Cost Account 1KK402		CAA Title K Basins Env. Surv Cont. Activity Title		COST ACCOUNT AUTHORIZATION				Activity Mgr.		Date 10/22/92	
Resp. Org. Title/Code		Original Budget (K\$)		Changes This Revision		Current Total Budget		Original		Rev.	
Cont Acct. Mgr./Phone		Budget Prior Revision		Start		Complete		Start		Complete	

Funding Source: ☐ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code	
2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA Ref. Sched. No.	

Type	Description	Date
------	-------------	------

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

EFFLUENT MONITORING:

- * Review and approve revised FEMP's
- * Prepare a data validation procedure for effluent data per FEMP QAPP Section 10.2.
- * Receive laboratory test results, validate data, enter data in data base. Provide a monthly trending report on concentrations including the previous 12 months.
- * Receive effluent system mass flow data and calculate monthly releases. Provide a monthly trending report on mass releases including the previous 12 months.
- * Prepare effluent reports for N reactor approval prior to issuance

ADS Number		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author	Date
(1) Program Administration/Project Control	Activity Manager		Program Administration		
(2) End Function Manager	End Function Manager		Cost Account Manager		
(3) Activity Manager	Cost Account Manager		Activity Manager		
(4) Cost Acct. Manager	Program Administration		End Function Manager		

1 Cost Account 1KK404		CAA Title K Effluent Sampling/Mon		COST ACCOUNT AUTHORIZATION				Activity Mgr. J. P. Schmidt		Date 09/23/92																															
Resp. Org. Title/Code Environmental Safet 11120		Activity Title K Basin Regulatory Resp		PROGRAM/PROJECT K Basin Operations				Original		Rev.																															
Cost Acct. Mgr./Phone D. J. Watson 3-3250		Line Item FY 3-3250		Original Budget (K\$) 237		Changes This Revision		Start		Complete																															
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY		B&R Code																															
2 Controlled Milestones M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA		Ref. Sched. No.																															
Type Deliverable		Description Routine airborne and liquid effluent monitoring, sampling, and analysis		Date																																					
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)				<p>This cost account provides labor costs, materials and equipment, purchased services, services from other contractors, internal company charges and assessments, and departmental O/H, G/A. This cost account provides for the work required to implement the Facility Effluent Monitoring Plan in facility operating procedures as well as periodic program reviews and updates based on changes in originating documents. The work statement includes K Area FEMP sampling management, effluent sampling of various airborne and liquid effluent locations, radiological and non-radiological effluent sample analyses, and data analysis, reporting and comparison to process standards. The 100K Effluent Sampling and Monitoring cost account provides for the implementation and continued compliance with requirements set forth in the 100K Effluent Monitoring Plan for K Area Facilities. Requirements include:</p>																																					
4 Distribution				<table border="1"> <tr> <td>ADS Number</td> <td colspan="2">4110</td> </tr> <tr> <td>Total CAP \$000</td> <td>G & A/CSP \$000</td> <td>Total CAA \$000</td> </tr> <tr> <td></td> <td></td> <td>153,237</td> </tr> </table>								ADS Number	4110		Total CAP \$000	G & A/CSP \$000	Total CAA \$000			153,237																					
ADS Number	4110																																								
Total CAP \$000	G & A/CSP \$000	Total CAA \$000																																							
		153,237																																							
4 Approvals				<table border="1"> <tr> <th>Title</th> <th>Authority to Initiate Planning</th> <th>Date</th> <th>Title</th> <th>Cost Account/Work Author Approval</th> <th>Date</th> </tr> <tr> <td>(1) Program Administration/Project Control</td> <td>Activity Manager</td> <td></td> <td>Program Administration</td> <td><i>K. Kraemer</i></td> <td>11/3/92</td> </tr> <tr> <td>(2) End Function Manager</td> <td>End Function Manager</td> <td></td> <td>Cost Account Manager</td> <td><i>[Signature]</i></td> <td>11/3/92</td> </tr> <tr> <td>(3) Activity Manager</td> <td>Cost Account Manager</td> <td></td> <td>Activity Manager</td> <td><i>[Signature]</i></td> <td>11-3-92</td> </tr> <tr> <td>(4) Cost Acct. Manager</td> <td>Program Administration</td> <td></td> <td>End Function Manager</td> <td><i>[Signature]</i></td> <td>11-6-92</td> </tr> </table>								Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date	(1) Program Administration/Project Control	Activity Manager		Program Administration	<i>K. Kraemer</i>	11/3/92	(2) End Function Manager	End Function Manager		Cost Account Manager	<i>[Signature]</i>	11/3/92	(3) Activity Manager	Cost Account Manager		Activity Manager	<i>[Signature]</i>	11-3-92	(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>[Signature]</i>	11-6-92
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date																																				
(1) Program Administration/Project Control	Activity Manager		Program Administration	<i>K. Kraemer</i>	11/3/92																																				
(2) End Function Manager	End Function Manager		Cost Account Manager	<i>[Signature]</i>	11/3/92																																				
(3) Activity Manager	Cost Account Manager		Activity Manager	<i>[Signature]</i>	11-3-92																																				
(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>[Signature]</i>	11-6-92																																				

1 Cost Account 1KK404		CAA Title K Effluent Sampling/Mon		COST ACCOUNT AUTHORIZATION				Activity Mgr.		Date 09/23/92	
Resp. Org. Title/Code		Activity Title		PROGRAM/PROJECT				Original		Rev.	
Cost Acct. Mgr./Phone				Original Budget (K\$)		Changes This Revision		Current Total Budget		Start Complete	
				Budget Prior Revision						Start Complete	

Funding Source: ☐ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA Ref. Sched. No.

Type	Description	Date

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

continued . . .

- * Implementation of FEMP requirements into facility operating procedures
- * Periodic review of program results and updates to operating procedures as required
- * Routine sampling and analysis of airborne and liquid effluent streams
- * Data analysis and assessment

ADS Number		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/ Project Control			Program Administration		
(2) End Function Manager			Cost Account Manager		
(3) Activity Manager			Activity Manager		
(4) Cost Acct. Manager			End Function Manager		

1 Cost Account 1KK405		CAA Title K Facility Comp & Modifi		COST ACCOUNT AUTHORIZATION		Activity Mgr. J. P. Schmidt		Date 08/28/92	
		Activity Title K Basin Regulatory Resp		PROGRAM/PROJECT K Basin Operations		Original		Rev.	
Resp. Org. Title/Code		Life Extension 11810		Original Budget (K\$)		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone		W. A. Frier 3-3946		877					
		Line Item FY		GPP FY		Small Projects FY		B&R Code	
		Operating Expense							

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY	
										Ref. Sched. No.	

Type	Description	Date
0	Issue letter of instruction to start engineering study	10/15/92
0	Issue engineering study for comment	02/15/93
0	WHC approval of engineering study	03/30/93
0	Start preparation of FDC	12/31/92
0	Issue FDC for review/approval	02/28/93
0	WHC approval of FDC/start CDR	04/30/93
0	60% review of CDR	08/15/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This cost account provides for modification to facilities in order to achieve effluent monitoring compliance with DOE orders and state and federal regulations. This cost account includes the following associated tasks:

- Project N038, 105KE/KW Facility Effluent Monitoring engineering study, functional design criteria, and conceptual design preparation.

■ Preliminary design, detail design and construction of temporary air sampling and monitoring system upgrades for K Basin facilities.		
ADS Number	4110	
Total CAP \$000	G & A/CSP \$000	Total CAA \$000
		877

4. Distribution		Approvals					
	Title	Authority, to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date	
(1) Program Administration/ Project Control	Activity Manager			Program Administration	<i>R. R. R.</i>	11/3/92	
(2) End Function Manager	End Function Manager			Cost Account Manager	<i>W. A. Frier</i>	11/4/92	
(3) Activity Manager	Cost Account Manager			Activity Manager	<i>W. A. Frier</i>	11-3-92	
(4) Cost Acct. Manager	Program Administration			End Function Manager	<i>W. A. Frier</i>	11-3-92	

1 Cost Account IKK406		CAA Title K Area Oper Env Monitor		COST ACCOUNT AUTHORIZATION				Activity Mgr J. P. Schmidt		Date 11/05/92	
Res. Org. Title/Code Env. Engin. Studies 88700		Activity Title K Basin Regulatory Resp.		PROGRAM/PROJECT K Basin Operations				Original		Rev.	
Cost Acct. Mgr./Phone J. J. Dorian 6-5597		Env. Engin. Studies 88700		Original Budget (K\$) 117		Changes This Revision		Current Total Budget		Start Complete	
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY		B&R Code EW3135040	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Type		Description									

0 Deliverable		Provide analytical data input to PNL Site Environmental Monitoring report									
		Conduct routine sampling and analysis of environmental media									
		Date 02/28/93									

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)											
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This cost account provides for the overall performance of near-facility environmental surveillance (Operational Environmental Monitoring) at 100-K Area facilities, including the monitoring of direct external radiation, ambient air, soil and biota, and the preparation of data for use in the annual environmental monitoring report (DOE 5400.1, DOE 5820.2).

ADS Number		4110	
Total CAP \$000		G & A/CSP \$000	
Total CAA \$000			
		117	

4 Distribution		Approvals											
		Title		Authority to Initiate Planning		Date		Title		Cost Account/Work Author Approval		Date	
(1) Program Administration/Project Control		Activity Manager								K.J. Ruemer		11/6/92	
(2) End Function Manager		End Function Manager										11/5/92	
(3) Activity Manager		Cost Account Manager								J.P. Schmidt		11/5/92	
(4) Cost Acct. Manager		Program Administration										11/6/92	

WBS / ADS / FDS
1.3.1.2 / 4110 / KK

K Basin Operations

Detailed Costs

FACILITY OPERATIONS - 1.3.1 FISCAL YEAR 1993 WORK PLAN

Listed on the following pages is a summary of approved Cost Account Authorizations (CAAs) issued to cost-account managers to establish the budget baseline for FY 1993.

**FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN**

**K BASIN OPERATIONS - 1.3.1.2
Budget and Staffing Summary
(\$000's)**

<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
KK101 - Program Management	\$ 255	3.5
KK102 - Business Management	529	5.9
KK103 - Material Planning	44	0.3
KK1 - Program Management and Integration	828	9.7
 KK201 - Continuity of Operations	 18,461	 139.0
KK202 - Waste Handling	1,685	13.9
KK203 - Waste Disposal	639	0.0
KK204 - K Basin Patrol Assessment	641	0.0
KK205 - Safeguards and Security - K Basin Program	610	5.1
 KK2 - K Basin Operations	 22,036	 158.0
 KK301 - Life Extension Program	 764	 4.2
KK304 - KE Basin Fuel Encapsulation	8,439	55.5
KK311 - K Area Roof Repairs	1,257	1.2
 KK3 - K Basin Upgrades	 10,460	 60.9

**FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN**

K BASIN OPERATIONS - 1.3.1.2
Budget and Staffing Summary
(\$000's)

<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
KK401 - K Basin Regulatory Response Program Management	57	0.6
KK402 - K Basin Regulatory Response Environmental Oversight	257	2.5
KK404 - Effluent Sampling and Monitoring	237	1.2
KK405 - K Facility Compliance Modification	877	2.0
KK406 - K Basin Operational Environmental Monitoring	117	0.5
KN3 - Regulatory Response	1,545	6.8
TOTAL - K BASIN OPERATIONS	\$ 34,870	235.4

**WBS / ADS / FDS
1.3.1.2 / 4110 / KK**

K Basin Operations

Milestone Description Sheets

Facility Operations MILESTONE DESCRIPTION SHEET

Title Complete Sludge Removal from KE Discharge Chute	Date 11/09/92
Assigned To K Basins	CIN
Program WBS Designator 1.3.1.2 (1KK)	Completion Date 11/30/92
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☒ Federal ☐ DOE ☐ RCRA ☐ TPA Driver: ANSI 57.7	DELIVERABLE: ☐ Report ☐ Letter ☐ Drawings ☒ Other (specify) Determination	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
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Description and what constitutes completion of this commitment:

Clean the discharge chute to allow uninterrupted installation of encapsulation equipment.

Forwarded from FY 1992. Original Completion date was 07/31/92.

Cost Account Manager <i>J. D. Mathews</i>	Date 11/10/92	Program/Project Manager <i>H. L. Debban</i>	Date 11/10/92
Activity Manager <i>S. K. Brown for J. L. Hoefer</i>	Date 11-9-92	DOE Monitor	Date
Milestone Complete	Date		
J. D. Mathews	11/09/92	KK08	

Facility Operations MILESTONE DESCRIPTION SHEET

Title Initiate KE Basin Fuel Encapsulation	Date 11/09/92
Assigned To K Basins	CIN
Program WBS Designator 1.3.1.2	Completion Date 01/31/93
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☒ Federal ☐ DOE ☐ RCRA ☐ TPA Driver: ANSI 57.7	DELIVERABLE: ☐ Report ☐ Letter ☐ Drawings ☒ Other (specify) Replace and encapsulate canisters	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
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Description and what constitutes completion of this commitment:

Initiate repackaging and encapsulation of irradiated fuel stored in 105-KE storage basin. Prepare for ~~and dispose~~/of empty canisters.

Forwarded from FY 1992. Original completion date was 06/01/92.

Cost Account Manager <i>J. D. Mathews</i>	Date 11/10/92	Program/Project Manager <i>H. L. Debban</i>	Date 11/10/92
Activity Manager <i>SK for me for</i> J. L. Hoefer	Date 11-9-92	DOE Monitor	Date
Milestone Complete J. D. Mathews	Date	11/09/92	KK20

Facility Operations MILESTONE DESCRIPTION SHEET

Title Complete Encapsulation of 500 Canisters of Fuel in the KE Basin	Date 11/09/92
Assigned To K Basins	CIN
Program WBS Designator 1.3.1.2	Completion Date 06/30/93
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☒ Federal ☐ DOE ☐ RCRA ☐ TPA Driver: ANSI 57.7	DELIVERABLE: ☐ Report ☒ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
---	---	---	---

Description and what constitutes completion of this commitment:

Repackage and encapsulate the first 500 canisters of irradiated fuel stored in the 105-KE storage basin.

Forwarded from FY 1992. Original completion date was 09/30/92.

Cost Account Manager <i>J. D. Mathews</i> J. D. Mathews	Date 11/10/92	Program/Project Manager <i>H. L. Debban</i> H. L. Debban	Date 11/10/92
Activity Manager <i>S. K. Freeman for</i> L. L. Hoefer	Date 11-9-92	DOE Monitor	Date
Milestone Complete	Date		
J. D. Mathews	11/09/92	KK22	

**WBS / ADS / FDS
1.3.1.2 / 4110 / KK**

K Basin Operations

1993 Master Program Schedule

		CY 1993												CY 1994	
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
WBS	DESCRIPTION														
1.3.1.2	K BASINS	MAINTAIN SAFE STORAGE OF IRRADIATED FUEL													
1.3.1.2-01	SEISMIC UPGRADES (#-031)	EVALUATE/ANALYZE SEISMIC INDEPENDENT SEISMIC ANALYSIS CONTRACT PURCHASE/ISSUE PHASE II & PHASE III SEISMIC ANALYSIS COORDINATE/ISSUE REVIEWERS PHASE II & III SEISMIC ANALYSIS REPORT SEC APPROVAL - SEISMIC UPGRADES FDC SEISMIC UPGRADES ENGINEERING STUDY SUPPORTING DOCUMENTATION ISSUED													
1.3.1.2-02	KE BASIN FUEL ENCAPSULATION	COMPLETE SLUDGE REMOVAL FROM KE DISCHARGE CHUTE INITIATE KE BASIN FUEL ENCAPSULATION ENCAPSULATE 500 CANISTERS OF FUEL ENCAPSULATE 547 CANISTERS OF FUEL COMPLETE ENCAPSULATION OF 1047 CANISTERS OF FUEL													

WBS	DESCRIPTION	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
		THIS SCHEDULE RELATES TO MASTER SUMMARY SCHEDULE													
		PROGRAM TITLE FACILITY OPERATIONS													
		PLANNER M. L. GAMIN (3-9121)													
		PAGE ONE OF ONE													
		DATE 06 NOVEMBER 1992													
		JOB NO. 1.3.1.2													
		REVISION NO. 0													

0 - EVENT

△ - MET/PROBAB

○ - OBS-RL

○ - OBS-RL

○ - OBS-RL

○ - OBS-RL

Westinghouse

Hanford Company

X TAB -

**WBS / ADS / FDS
1.3.1.3 / 3600 / KN**

N Reactor

- **WBS Dictionary Sheets**
- **Cost Account Authorizations**
- **Detailed Costs**
- **Milestone Description Sheets**
- **Master Program Schedule**

**WBS / ADS / FDS
1.3.1.3 / 3600 / KN**

N Reactor

WBS Dictionary

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT N Reactor		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.3		5 WBS ELEMENT TITLE N Reactor	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The N Reactor (1.3.1.3) has been formally shut down and is being maintained in a regulatory compliant state awaiting direction and funding to begin execution of the N Reactor Shutdown Program Plan. The N Reactor program provides for only necessary engineering, maintenance, and operational personnel in meeting compliance requirements.</p> <p>Also included are those regulatory response activities necessary to comply with federal and state environmental regulations, including effluent monitoring and reporting, RCRA closure activities, compliance modifications for effluent air monitoring systems, and preparation of required environmental assessments (EA).</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT N Reactor		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.3.1		5 WBS ELEMENT TITLE Program Management and Integration	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>N Reactor program management activities include budget and cost/schedule control support; program integration, funds control and program reporting. Also included is preparation of a fiscal year work plan, a multi year work plan, other site management system reports, and ADSs for the five year plan.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT N Reactor		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.3.2		5 WBS ELEMENT TITLE Shutdown Planning and Execution	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The N Reactor Shutdown Program Plan (WHC-SP-0615, Rev. 2) defines the scope, schedule, and budgetary requirements to shut down the facilities, clean up hazardous and radioactive wastes, dispose of government assets, and otherwise place the facilities in an environmentally safe state such that they can be placed on a schedule for final decommissioning. Because of a shortfall in funding in FY 1993, the primary emphasis is maintaining the facilities in an environmentally safe state in accordance with applicable regulations. This activity provides for required engineering, maintenance, and operations personnel to maintain safety or support systems in accordance with technical specifications and operating standards. Also included are required utility charges including electrical charges, electrical-system maintenance, and fire-system maintenance.</p> <p>Minimal efforts are planned in preparation for an FY 1994 start for shutdown execution. Preliminary engineering, and work package initiation efforts are included. Basin cleanup contractor selection and required NEPA documentation are also included in FY 1993 work scope.</p>

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US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT N Reactor		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.3.3		5 WBS ELEMENT TITLE Regulatory Response	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-left: 20px;"> A. COST CONTENT <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> </div> <div style="margin-left: 20px;"> B. TECHNICAL CONTENT / WORK STATEMENT <p>Preform those activities required to comply with federal and state environmental regulations. These activities include preparing facility effluent monitoring, sampling and analysis, preparing RCRA permits and closure plans, preparing the shoreline dose reduction EA, facility compliance modifications, etc.</p> <p>RCRA actions include: completing laboratory analyses and data validation from those soil samples collected from new wells placed down-gradient of 1301N; and beginning preparation of RCRA closure plans of 1301N Liquid Waste Disposal Facility, 1325N Liquid Waste Disposal Facility, and 1324N/NA Surface Impoundment/Percolation Pond.</p> <p>Facility compliance modifications will involve: completing soil remediation at 100-N service station and 182-N diesel oil day tank site including back filling excavations, and effluent monitoring upgrades for corrective actions described in the FEMP.</p> <p>Shoreline dose reduction efforts involve: completing the NEPA documentation (EA), incorporating DOE, Ecology, and public comments, and completion of conceptual design activities, (FDC and CDR for the required project).</p> <p>Liquid Effluent Response actions involve initial engineering, characterization and data gathering requirements to determine required methods for source term control, recycling, treatment and disposal of N Reactor effluents.</p> <p>Also included is required environmental monitoring and surveillance.</p> </div>			

**WBS / ADS / FDS
1.3.1.3 / 3600 / KN**

N Reactor

1993 Cost Account Authorizations

1 Cost Account 1KN101		CAA Title Program Management		COST ACCOUNT AUTHORIZATION				Activity Mgr. K.J. Kraemer		Date 11/03/92	
		Activity Title Program Mgmt and Integ		PROGRAM/PROJECT N Reactor				Original		Rev.	
Resp. Org. Title/Code Program Management 11610				Original Budget (K\$)		Changes This Revision		Start		Complete	
Cost Acct. Mgr./Phone R.J. Grimmer 3-4164				422				10/01/92		09/30/93	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA Ref. Sched. No.

Type	Description	Date

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Program Management provides for all Shutdown Program management activities in accordance with DOE-RL guidance. Activities include:

- * Maintaining the N Reactor Program Plan describing work scope, schedule, budget, methods and reporting, and control process.
- * Provide programmatic and budget direction.
- * Provide interface with DOE-RL and WHC management.

ADS Number	4120
Total CAP \$000	G & A/CSP \$000
	Total CAA \$000
	422

4 Distribution		Approvals			
	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(1) Program Administration/ Project Control	Activity Manager			Program Administration	K.J. Kraemer 11/6/92
(2) End Function Manager	End Function Manager			Cost Account Manager	R.J. Grimmer 11-9-92
(3) Activity Manager	Cost Account Manager			Activity Manager	K.J. Kraemer 11/6/92
(4) Cost Acct. Manager	Program Administration			End Function Manager	J. W. Johnson 11-9-92

1 Cost Account		CAA Title		Activity Title		Activity Mgr.		Date	
1KN102		Business Management		PROGRAM/PROJECT N Reactor		K.J. Kraemer		11/03/92	
Resp. Org. Title/Code		Program Mgmt. & Inteq.		Original Budget (K\$)		Changes This Revision		Current Total Budget	
N Business Mgmt.		11830		617					
Cost Acct. Mgr./Phone		K.J. Kraemer		3-1537				10/01/92 09/30/93	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY	
		☐ Major DOE-HQ		☐ Major DOE-RL		☐ R = Westinghouse Key		☐ O = Other	
		☐ T = TPA							
								B&R Code	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
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Type	Description	Date
Deliverable	Complete FY93 Budget Planning	
Deliverable	Prepare ADS input for 95 Five-year plan	
Deliverable	Provide monthly reporting to meet SMS, PTS, Internal & External requirements	
Deliverable	Prepare Fiscal Year Work Plan	
Deliverable	Prepare Multi-Year Work Plan	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide budget planning, funds control, and cost reporting for expense funds, capital line item funds, CENTREC funds, and capital work order funds. Manage the activities of the Change Control Board. Provide interface between WHC and the DOE management relative to overall site budgeting, planning, and reporting requirements. Provide coordination for ADS preparation as well as overall support for outyear planning requirements.

ADS Number	4120
Total CAP \$000	G & A/CSP \$000
Total CAA \$000	

4 Distribution		Approvals			
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(2) End Function Manager	Activity Manager			Program Administration	11/6/92
(3) Activity Manager	End Function Manager			Cost Account Manager	11/6/92
(4) Cost Acct. Manager	Cost Account Manager			Activity Manager	11/6/92
	Program Administration			End Function Manager	11-9-92

1 Cost Account KN201		CAA Title Continuity of Operations Activity Title Facility Shutdown & Exec		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT N Reactor						Activity Mgr. R.J. Gimeria		Date 11/03/92		
Resp. Org. Title/Code N Reactor Operation 11200										Original		Rev.		
Cost Acct. Mgr./Phone R.A. Trevino 3-1663		Operating Expense		Line Item FY		GPP FY		Small Projects FY		Start		Complete	Start	Complete
Funding Source:														
2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA														
Type _____ Description _____ Date 09/30/93														
0 Compact 1400 Ft3 of N Reactor Radioactive Waste														
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)														
ADS Number 4120														
Total CAP \$000 G & A/CSP \$000 Total CAA \$000														
13,047														
4 Distribution														
Approvals														
Title Authority to Initiate Planning Date Title Cost Account/Work Author Approval Date														
(1) Program Administration/ Project Control	Program Administration													
(2) End Function Manager	Cost Account Manager													
(3) Activity Manager	Activity Manager													
(4) Cost Acct. Manager	End Function Manager													

MANAGEMENT/ADMINISTRATION/REPORTING

- Provide support in the development of budgets, departmental planning, report generation, off-normal event investigation, WCT/OCT/QST tracking and reporting, personnel training programs, and other administrative assignments. Assist in preparation of the Multi-Year Work Plan by 5-30-93 and the FY 1994 Work Plan by 9-30-93. Provide monthly input to the Site Management System and the Progress Tracking System. Perform an Operational Readiness Review for initiation of system/facility deactivation and cleanup.
- Provide skills training for N Area Maintenance and Operation's personnel.
- Maintain completed equipment surveillance, maintenance, and repair and/or modification records for work performed by approved surveillance procedures, work packages (J1), and pre-approved work requests (J3). Maintain records in a manner to accommodate retrieval of information for use in evaluating equipment operational history, reliability, repairs/replacements, and configuration changes.
- Maintain the 100 N Area Asbestos Database.
- Provide for summer hires required for performance of Continuity of Operations activities.
- Provide Quality Assurance support for all N Area activities which include review of purchase requisitions, work packages and design modifications. On a quarterly basis, perform the following reviews for maintenance activities: 100 SSP's, 75 PM's, 50 Routine Work Packages. Review 7 ECN's to support Engineering functions, review 20 J-1's; 10 Operational Procedures, 10 Maintenance Procedures, 10 Administrative Procedures and 100 Purchase Requisitions. Also perform 50 inspections and 7 surveillances for N Reactor and supporting organizations.
- Provide leadership and documentation requirements for utilizing the Priority Planning Grid (PPG) on all corrective actions and other division requirements.

FACILITY OPERATIONS

- Provide operator support for routine plant activities such as operation/shutdown of plant sumps, motors, and equipment, valve adjustments, radioactive zone work monitoring, and obtaining environmental control samples.
- Provide control room and operator shift coverage as required, building patrol, surveillance of all operating equipment, and monitoring of all critical system conditions.
- Complete operations patrol once per shift.
- Provide winterization plans and implement the FY 1993 Winterization Program by 11-1-92.
- Provide for 107N surveillance and 163/183N Filter Plant facility operations.

FACILITY OPERATIONS (continued)

- Provide personnel to obtain approximately 212 air and water samples in order to support the N Area sampling requirements based on NPDES permits, process standards and technical specifications.
- Provide routine audits and testing of standard and safety systems. These tasks include 282 audits and tests of annunciators, evacuation alarms and other alarms per quarter. Seventy-eight safety equipment and system tests will be performed per quarter on the following items: radios, safety showers, Scott air packs, fire valves, fire barriers and emergency exits. Ninety-six lock-and-tag audits will be performed per quarter.
- Provide Engineering support for needed upgrades, system problems, and to ensure systems and equipment currently in use are operated and maintained as designed. Issue 36 ECN's and at an average of 9 per quarter.
- Complete operations patrol once per shift.

MAINTENANCE

- Provide Job Planning, preparation of Bills of Material, and Plant Force Work Reviews for 100N maintenance and repair work.
- Provide JCS support including administration, statistical reporting, and tracking of Work Packages. Provide Plan-of-the-Day (POD's) and Plan-of-the-Week (POW's) for operations an maintenance support. Support completion of 500 activities per quarter including Work Packages, Standby Surveillance Procedures, J-3's, and Preventive Maintenance items.
- Perform one hundred and fifteen Standby Surveillance Procedures, 90 preventive maintenance procedures per quarter, 25 Work Packages (J1's) per quarter, and 175 J3's per quarter.
- Repair 182N roof.

HEALTH PHYSICS

- Provide HPT support for normal day-to-day activities including radioactive waste/material handling. This is accomplished through writing 940 Radiation survey reports, 125 Radiological Problem Reports and 48 Radiation Work Permits for 100N.
- Provide routine surveys to ensure contamination and radiation levels are maintained ALARA. This is accomplished through performing 1,837 routine task assignments at 100N.
- Provide radioactive characterization of HGP as required to assist DOE-RL in contract negotiations with WPPSS by determining the extent of contamination transferred to HGP by N Reactor steam during operation.

MAJOR SYSTEM MODIFICATIONS

- Complete the Export Water Tie-in by 4-1-93 to eliminate the need for backup fire protection provided from the HGP. Complete engineering study by 9-30-93 to down size the potable water system. Reconfigure the Potable Water System to by-pass 182N.
- Install air compressors in 105N so that 184N may be deactivated.

WASTE REMOVAL/DECON

- Reduce temporary radiation zones by deconning 500 ft². Remove non-excessable 109N chemicals for disposal by 1-1-93.
- Provide laundry sorting and mask washing services at a rate of 45 bags of laundry and 25 boxes of masks per quarter.
- Provide personnel to support the proper handling, segregation, compaction, packaging and storage of 1,400 ft³ of low level radioactive waste from N Area prior to shipment to the 200 Area burial grounds.

DEACTIVATE BUILDINGS/RELOCATE PERSONNEL

- Deactivate 163N, 108N, 181N, 184N, and 109N by 9-30-93.

UTILITIES AND ALLOCATIONS

- This work package supports direct or allocated billing for 100N utilities including BPA electrical charges, electrical maintenance, fire system maintenance, etc.

SAFETY

- Ensure compliance with the fire system requirements in DOE Order 5480.7, National Fire Protection Association Guidelines and WHC-CM-4-1 Section 4.2.
- Provide support for N Reactor Emergency Preparedness requirements and activities, coordinating a minimum of 4 drills annually, in conjunction with building emergency plans review an updates.
- Provide routine environmental monitoring and surveillance of deactivation activities.
- Provide Industrial, Nuclear Safety and Radiological protection of personnel, facility and environment and ensure compliance with applicable requirements.
- Maintain current Process Standards to ensure compliance with Operational Safety Requirements.
- Develop a plan for implementing new DOE safety orders, 5480.22 and 5480.23 by June 30, 1993.

SAFETY (continued)

- Perform surveillances and safety checks to ensure personnel safety and satisfy all Process Standards, Technical Specifications and Operational Safety Requirements.
- Provide responsive nuclear safety procedure reviews to support issues for new operating procedures, revisions and upgrades.

PROPERTY MANAGEMENT

- Maintain a program for calibration control and recall of all portable measuring and test equipment assigned to the 100 Areas and provide periodic reports used for scheduling of calibrations and accountability of equipment.
- Receive, store, and issue all material, parts, and equipment (24000 line items) purchased for use in maintenance and modification of the N Reactor and associated support facilities for minimum compliance operation. Control issuance and inventory accountability of all materials, parts, and equipment assigned to the N Reactor warehouse facilities. Maintain and control all N Reactor satellite warehouse storage facilities.
- Perform the 100N annual property management audit of 8000 line items by 8-31-93 and support periodic audits as required.
- Provide pest, animal and weed control services for the 100N area. Services to meet all environmental and OSHA requirements for application utilizing licensed applicators. Weed control will include one application per year at N Springs and N Reactor general areas. Six spot applications for weed control will be performed per year.
- Transfer all equipment, materials, and supplies in support of 100K operation to 100K by December 31, 1992.

KEH SUPPORT

- Repair of 182N roof by 6-30-93.
- Completion of Export Water Tie-in by 4-1-93.
- Provide for repairs and modifications which are determined to be non plant forces work.

1 Cost Account KN202		CAA Title Waste Handling		Activity Title Shutdown Planning & Exec		COST ACCOUNT AUTHORIZATION		Activity Mgr. R.J. Gimera		Date 11/03/92	
Resp. Org. Title/Code Haz. & Rad. Waste 11150		Original Budget (K\$)		Changes This Revision		Current Total Budget		Start		Complete	
Cost Acct. Mgr./Phone C.D. Lucas 3-1006		1,455						10/01/92		09/30/93	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA Ref. Sched. No.

Type	Description	Date
0	Upgrade MCA Drum Counter	02/01/93
0	Dispose of 109N Lab non-excessable chemicals	04/30/93
0	Dispose of 109N Lab excessable chemicals	06/30/93
Deliverable	Document, package & ship low-level, hazardous, and radioactive mixed waste	
Deliverable	Perform waste characterization	
Deliverable	Provide for accountability requirements pertaining to specific waste	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Waste Handling consists of those activities required to characterize, package, and prepare for removal of hazardous, radiological, and mixed waste from N Reactor facilities.

This Cost Account supports the following programs:

- Waste Characterization and Analysis
- Hazardous Waste Handling
- Radiological Waste Handling

ADS Number	4120	Total CAP \$000	G & A/CSP \$000	Total CAA \$000
				1,455

4 Distribution

Distribution		Approvals			
	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(1) Program Administration/Project Control	Activity Manager			Program Administration	11-9-92
(2) End Function Manager	End Function Manager			Cost Account Manager	11-9-92
(3) Activity Manager	Cost Account Manager			Activity Manager	11-9-92
(4) Cost Acct. Manager	Program Administration			End Function Manager	11-9-92

1 Cost Account KN203		CAA Title Waste Disposal		COST ACCOUNT AUTHORIZATION				Activity Mgr. R.J. Gimera		Date 11/03/92	
Resp. Org. Title/Code Haz. & Rad. Waste		Activity Title Shutdown Planning & E&C		PROGRAM/PROJECT N Reactor				Original		Rev.	
Cost Acct. Mgr./Phone C.D. Lucas		Line Item FY 3-1006		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Current Total Budget	
				915							
Funding Source:		☒ Operating Expenses		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY	
										B&R Code	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type	Description	Date
0	Dispose of 1400 ft3 of low-level waste	09/30/93
0	Dispose of 212 drums of hazardous waste	09/30/93
0	Dispose of 100 ft3 of radioactive mixed waste	09/30/93
0	Complete disposition of excess sodium hydroxide and sulfuric acid from 100 N	06/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This activity represents the efforts of WMC organizations, other than N Reactor, required to receive and bury or otherwise dispose of radioactive and hazardous materials packaged and shipped to them by N Reactor personnel. This includes Waste Disposal Allocation for disposition to the Hanford site disposal area or site burial facility as well as special transportation cost (usually rail) from N Reactor facilities. This activity provides for off-site disposal of excess usable chemical/materials. This activity also includes cost of the off-site shipment of hazardous waste for ultimate disposal.

ADS Number	4120		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
			915

4 Distribution		Approvals			
(1) Program Administration/ Project Control (2) End Function Manager (3) Activity Manager (4) Cost Acct. Manager	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
	Activity Manager			Program Administration	
	End Function Manager			Cost Account Manager	
	Cost Account Manager			Activity Manager	
	Program Administration			End Function Manager	

1 Cost Account KN205		CAA Title Fac. Shutdown Execution		COST ACCOUNT AUTHORIZATION						Activity Mgr. R. J. Gimera		Date 11/04/92		
		Activity Title Shutdown Plan. and Exec.		PROGRAM/PROJECT N Reactor								Original		Rev:
Resp. Org. Title/Code		N Engineering		Original Budget (K\$)		Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete	Start	Complete		
Cost Acct. Mgr./Phone		T. H. Gronewald 11520		166					10/01/92		09/30/93			
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY		B&R Code		
2 Controlled Milestones		M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA	Ref. Sched. No.							
Type	Description	Date												
3 Description/instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)														
Do planning and start execution of the Engineering and preliminary paperwork for N Reactor Shutdown as shown in WHC-SP-0615, "N Reactor Shutdown Program Plan." This work includes studies, engineering modification documentation and work package initiation for electrical configuration changes, mechanical piping reroutes, equipment relocation, and building deactivations in preparation for the commencement of Shutdown in FY-94.														
ADS Number		4120												
Total CAP \$000		G & A/CSP \$000							Total CAA \$000					
									166					
4 Distribution														
Distribution		Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date							
(1) Program Administration/ Project Control		Activity Manager			Program Administration	<i>[Signature]</i>	11/9/92							
(2) End Function Manager		End Function Manager			Cost Account Manager	<i>[Signature]</i>	11-9-92							
(3) Activity Manager		Cost Account Manager			Activity Manager	<i>[Signature]</i>	11-9-92							
(4) Cost Acct. Manager		Program Administration			End Function Manager	<i>[Signature]</i>	11-9-92							

1 Cost Account KN206		CAA Title Basin Cleanup		COST ACCOUNT AUTHORIZATION				Activity Mgr. R:J: Gimer		Date 11/03/92	
Resp. Org. Title/Code		Activity Title Shutdown Planning & Exec		PROGRAM/PROJECT							
Cost Acct. Mgr./Phone		J.L. Walsh		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Current Total Budget	
3-1408		11610		345							
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		Q = Other		T = TPA	
Ref. Sched. No.											

Type		Description		Date	
0	Complete basin contractor scope of work			12/01/92	
0	Award basin cleanup contract			09/30/93	
0	Submit NEPA documentation for basin cleanup to DOE			06/01/93	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Basin cleanup and stabilization represents a large portion of the N Reactor shutdown work which is scheduled to commence in FY-94. To commence cleanup activities in FY-94, however, preparation of NEPA documentation (environmental assessment), and technical support for the award of the basin cleanup contract will be required in FY-93 (publication of notice to submit bids is scheduled for early FY-93).

ADS Number	4120
Total CAP \$000	G & A/CSP \$000
	Total CAA \$000
	345

4 Distribution		Approvals			
(1) Program Administration/ Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(2) End Function Manager	Activity Manager			Program Administration	11/9/92
(3) Activity Manager	End Function Manager			Cost Account Manager	11.9.92
(4) Cost Acct. Manager	Cost Account Manager			Activity Manager	11.9.92
	Program Administration			End Function Manager	11-9-92

1 Cost Account 1KN208		CAA Title N Area Patrol Assessment		COST ACCOUNT AUTHORIZATION				Activity Mgr. R. J. Gimera		Date 11/03/92	
Resp. Org. Title/Code Hanford Patrol		Activity Title N Reactor Operations		PROGRAM/PROJECT N Reactor							
Cost Acct. Mgr./Phone V. G. Heiman		51800		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Current Total Budget	
3-1780				384							
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type		Description		Date	
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3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provide Hanford Patrol support to the N Reactor Program:	
1.) Prevent the theft, sabotage, diversion or unauthorized control of Special Nuclear Material;	
2.) Provide Protective Forces for facilities within the 100 N Area;	
3.) Control access to 100 N Area facilities, and the 100 N Property Protection Area; and	
4.) Enforce county, state, and federal laws and statutes in the 100 N Area.	

ADS Number	4120
Total CAP \$000	G & A/CSP \$000
Total CAA \$000	384

4 Distribution		Approvals			
Title		Authority to Initiate Planning		Date	
Activity Manager					
End Function Manager					
Cost Account Manager		11-4-92		11-4-92	
Program Administration				11-9-92	

1 Cost Account 1KN209		CAA Title Security 100 N Area		Activity Title 100 N Area Operations		Security 51100		F. O. Strankman 6-3927		10/01/92		09/30/93		11/03/92	
Resp. Org. Title/Code		Security		51100		F. O. Strankman		6-3927		10/01/92		09/30/93		11/03/92	
Cost Acct. Mgr./Phone		F. O. Strankman		6-3927		10/01/92		09/30/93		11/03/92					
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY		B&R Code			
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA					
Type		Description		Date											
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)															
Provide Security support to the N Reactor Program:															
1.) Provide security threat analysis on a daily basis through testing and maintenance programs;															
2.) Maintain security awareness and reduce security incident reports by conducting security education field awareness training where necessary; and															
3.) Provide security representation to N Reactor Program management.															
4 Distribution		Title		Authority to Initiate Planning		Date		Title		Cost Account/Work Author Approval		Date			
(1) Program Administration/Project Control		Activity Manager						Program Administration		4/16/92		4/16/92			
(2) End Function Manager		End Function Manager						Cost Account Manager		4/16/92		4/16/92			
(3) Activity Manager		Cost Account Manager						Activity Manager		4/16/92		4/16/92			
(4) Cost Acct. Manager		Program Administration						End Function Manager		4/16/92		4/16/92			

1 Cost Account 1KN301		CAA Title N Reactor Regulatory Res Activity Title Regulatory Response		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT N Reactor				Activity Mgr. J.P. Schmidt		Date 11/03/92	
Resp. Org. Title/Code		Environmental Resp. 11120		Original Budget (K\$)		Changes This Revision		Current Total Budget		Start	
Cost Acct. Mgr./Phone		D.J. Watson		509						10/01/9209/30/93	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		B&R Code	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-AL		R = Westinghouse Key		O = Other		T = TPA	
Type		Submit TPA quarterly progress report		Description		QUARTRLY		Date		12/16/92	
Deliverable		Develop planning and budget baseline documentation									
0		Issue N-Reactor closure plan									
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)											
This cost account provides overall coordination, planning, scheduling, resource definition, and performance assessment for all elements of the Regulatory Response activity. It includes facility compliance assessments, planning and corrective actions, reporting (TPA quarterly), preparing technical reports, (e.g., waste stream characterization reports) and intraprogram coordination within WHC. The purpose of this task is to provide an orderly and systematic manner of addressing various environmental regulatory drivers as they change with consideration for facility status.											
4 Distribution		Approvals									
(1) Program Administration/ Project Control		Title		Authority to Initiate Planning		Date		Title		Cost Account/Work Author Approval	
(2) End Function Manager		Activity Manager						Program Administration		11/4/92	
(3) Activity Manager		End Function Manager						Cost Account Manager		11/7/92	
(4) Cost Acct. Manager		Cost Account Manager						Activity Manager		11/9/92	
		Program Administration						End Function Manager		11-9-92	

1 Cost Account 1KN302		CAA Title RCRA Facility Activities		COST ACCOUNT AUTHORIZATION				Activity Mgr. J.P. Schmidt		Date 11/03/92	
		Activity Title Regulatory Response		PROGRAM/PROJECT N Reactor				Original		Rev.	
Resp. Org. Title/Code		Environmental Safet 11120		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone		D.J. Watson 3-3250		245							
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY	
		☐ B&R Code									

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type	Description	Date
Deliverable	Participate in monthly interface meetings	Monthly
0	Complete draft of 100N RCRA closure strategy	04/30/93
0	Receive analysis of samples for 1301N	06/30/93
0	Complete facility description and operational history for 1301N, 1325N, and 1324N/NA RCRA closure plans	09/30/93
Continued. . .		

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This cost account provides for the initial planning and scoping of a regulatory strategy for 1301N Liquid Waste Disposal Facility (M-20-31) 1324N/NA Surface Impoundment/Percolation Pond (M-20-35), and 1325N Liquid Waste Disposal Facility (M-20-31).	
This cost account has the following associated tasks:	
<ul style="list-style-type: none"> ■ Prepare N Reactor past practices RCRA closure strategies. ■ Prepare sampling plan and analyze soil samples for 1301N. ■ Prepare facility description and operational history for 1301N, 1325N and 1324N/NA RCRA closure plans. 	
ADS Number	4120
Total CAP \$000	G & A/CSP \$000
Total CAA \$000	
245	

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/Project Control	Activity Manager		Program Administration	<i>[Signature]</i>	11/9/92
(2) End Function Manager	End Function Manager		Cost Account Manager	<i>[Signature]</i>	11/9/92
(3) Activity Manager	Cost Account Manager		Activity Manager	<i>[Signature]</i>	
(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>[Signature]</i>	11-9-92

1 Cost Account 1KN303		CAA Title N Facility Comp. & Mod. Activity Title Regulatory Response		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT N Reactor				Activity Mgr. J. P. Schmidt		Date 1/03/92	
Resp. Org. Title/Code Environmental Safet 11120		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Current Total Budget		Rev.	
Cost Acct. Mgr./Phone D.J. Watson		3-3250		592						10/01/92 09/30/93	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		B&R Code	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
Type	Date
0 Complete characterization and remedial action plan for the 100 N service station underground storage tank site	06/30/93
0 Initiate engineering for effluent monitoring system upgrades	01/30/93
0 Complete an environmental regulatory compliance assessment of the 100 N Sanitary Waste Disposal Facility	06/30/93

4 Distribution		Approvals	
(1) Program Administration/ Project Control	Title	Authority to Initiate Planning	Date
(2) End Function Manager	Activity Manager		
(3) Activity Manager	End Function Manager		
(4) Cost Acct. Manager	Cost Account Manager		
	Activity Manager		
	End Function Manager		
	Program Administration		

ADS Number		4120	
Total CAP \$000		G & A/CSP \$000	
Total CAA \$000		592	

1 Cost Account 1KN304	CAA Title 100N Effluent Sampling & Regulatory Response	COST ACCOUNT AUTHORIZATION				Activity Mgr. J.P. Schmidt	Date 11/03/92
	Activity Title Regulatory Response	PROGRAM/PROJECT N Reactor				Original	Rev.
Resp. Org. Title/Code	Environment. Safety 11120	Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete
Cost Acct. Mgr./Phone	D.J. Watson 3-3250	661				10/01/92	09/30/93

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA

Type	Description	Date
0	Perform routine airborne and liquid effluent monitoring, sampling, analyses	Monthly

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This cost account provides for the implementation of the effluent monitoring plan for 100 N Area facilities. This includes work required to implement FEMP's in facility operating procedures and provide periodic program review and updates based on changes in originating documents. This cost account has the following associated tasks:

■ N Area FEMP sampling/management	■ Data analysis, reporting and program surveillance ■ Data assessment, compared to process standards	ADS Number	4120		
■ N Area effluent sample analysis		Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
					661

Distribution		Approvals				
(1) Program Administration/ Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(2) End Function Manager	Activity Manager			Program Administration	<i>[Signature]</i>	11/6/92
(3) Activity Manager	End Function Manager			Cost Account Manager	<i>[Signature]</i>	11/6/92
(4) Cost Acct. Manager	Cost Account Manager			Activity Manager	<i>[Signature]</i>	11/9/92
	Program Administration			End Function Manager	<i>[Signature]</i>	11-9-92

1 Cost Account 1KN306		CAA Title N Shoreline Dose Reduc.		COST ACCOUNT AUTHORIZATION		Activity Mgr. J. P. Schmidt		Date 11/03/92	
Resp. Org. Title/Code Enviornment. Safety 11120		Activity Title Regulatory Response		PROGRAM/PROJECT N Reactor		Original		Rev.	
Cost Acct. Mgr./Phone D. J. Watson 3-3250		Original Budget (K\$) 97		Changes This Revision		Current Total Budget		Start Complete	
Funding Source: ☒ Operating Expense ☐ Line Item FY		Original Budget (K\$) 97		Budget Prior Revision		Start Complete		Complete	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.		Small Projects FY		GPP FY		CENRTC FY		B&R Code			

Type		Description		Date	
0 Deliverable		Complete N Reactor Shoreline Dose Reduction Environmental Assessment Provide input and reviews to DOE-RL program planning efforts		09/30/93	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This cost account consists of an Environmental Assessment (NEPA) to determine the alternatives for reducing the radiation dose levels along the 100N shoreline which exceed DOE Order 5400.5 limits.
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ADS Number	4120
Total CAP \$000	G & A/CSP \$000
Total CAA \$000	
	97

4 Distribution		Approvals			
(1) Program Administration/ Project Control (2) End Function Manager (3) Activity Manager (4) Cost Acct. Manager	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
	Activity Manager			Program Administration	
	End Function Manager			Cost Account Manager	
	Cost Account Manager			Activity Manager	
	Program Administration			End Function Manager	

1 Cost Account 1KN307	CAA Title N Area Oper Env Monitor	COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT N Reactor	Activity Mgr. J.P. Schmidt	Date 11/04/92
	Activity Title Regulatory Response		Original	Rev.
Resp. Org. Title/Code Env Eng Studies	88700	Original Budget (K\$) 268	Start 10/01/92	Complete 09/30/93
Cost Acct. Mgr./Phone J.J. Dorian	6*5597	Budget Prior Revision	Current Total Budget	Start 11/04/92

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA
Ref. Sched. No.

Type	Description	Date
0	Support Issuance of WHC Annual Operational Environmental Monitoring Report	07/31/93
0	Continued ... for Near Field Environmental Surveillance.	
0	Provide input to PNL site environmental monitoring report.	02/28/92

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This cost account will provide sampling and analysis of the flora and fauna at the 100N site to determine the extent and spread of surface contamination. Work will include measuring localized radiation levels, providing annual shoreline characterization along N Springs, operating air monitors to sample airborne radioactivity, monitoring ground water around N Basin, perform radiation dose rate surveys around 1301N/1325N facilities and N Shoreline, and preparation of data for use in the PNL Annual Site Environmental Monitoring Report and the WHC Annual Operational Environmental Monitoring Report (DOE 5400.1, DOE 5400.2).

ADS Number	4120
Total CAP \$000	G & A/CSP \$000
Total CAA \$000	
268	

4 Distribution	Approvals			
	Title	Authority to Initiate Planning	Date	Title
(1) Program Administration/ Project Control	Activity Manager			Cost Account/Work Author Approval
(2) End Function Manager	End Function Manager			
(3) Activity Manager	Cost Account Manager			
(4) Cost Acct. Manager	Program Administration			

1 Cost Account 1KN308		CAA Title N Liquid Effluent Resp		COST ACCOUNT AUTHORIZATION		Activity Mgr. JP Schmidt		Date 11/03/92	
Resp. Org. Title/Code		Activity Title Regulatory Response		PROGRAM/PROJECT N Reactor		Original		Rev.	
Cost Acct. Mgr./Phone DJ Watson		Line Item FY 3-3250		Original Budget (K\$) 500		Budget Prior Revision		Current Total Budget	
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY	
B&R Code		10/01/92		09/30/93		Start		Complete	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
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Type	Description	Date
Deliverable	Respond to EPA/WDOE comments on NPDES application	09/30/93
0	Complete conceptual design detail & criteria for isolating 1325-N	03/31/93
0	Complete safety analysis of configurational changes from crib isolation	05/31/93
0	Complete assessment for redesign requirements for Project C-018	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This Cost Account provides for the completion of work in FY93 in a manner to satisfy our FY 1994 and FY 1995 TPA and Liquid Effluent Consent Milestones. The work scope is divided into the following work packages:

- Respond to EPA and WDOE comments on the NPDES application submitted June, 1992.
- Develop the conceptual design details and design criteria for isolating the 1325-N Liquid Waste Disposal Facility, which will also include revising safety analyses and operating procedures and assessing existing liquid storage tanks for future use. The conceptual design includes preparing details for installation of a waste water treatment system utilizing existing systems at 100-N or 100-K or preparing specifications for a vendor supplied system. (see attached sheet)

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/ Project Control	Activity Manager		Program Administration	<i>[Signature]</i>	11/9/92
(2) End Function Manager	End Function Manager		Cost Account Manager	<i>[Signature]</i>	11/9/92
(3) Activity Manager	Cost Account Manager		Activity Manager	<i>[Signature]</i>	11/9/92
(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>[Signature]</i>	11-9-92

Cost Account Authorization IKN308

Continuation of Description/Instructions:

- c. Provide data and information describing N Reactor effluent characterization for permitting activities associated with project C-018, i.e. delisting petition, RCRA Part B permit, and WAC 173-216 Solid Waste Discharge Permit.
- d. Perform a design/operating impact assessment on Project C-018 unit operations based on N Reactor effluent characterization which is radiologically hotter than the 242A Evaporator overhead steam, which is one of the feeds to C-018.
- e. Sample the 100-N sewer lagoon and contributing streams, and 183-N Filter Backwash Pond for the 1994 216 Solid Waste Discharge Permit.

1 Cost Account 1KN309		CAA Title N Reactor Env Surveillance		COST ACCOUNT AUTHORIZATION		Activity Mgr. J.P. Schmidt		Date 11/03/92	
Resp. Org. Title/Code Reg Field Support 88400		Activity Title N Reactor Reg Response		PROGRAM/PROJECT N Reactor		Original		Rev.	
Cost Acct. Mgr./Phone B.G. Erlandson 6-5969		Reg Field Support 88400		Original Budget (K\$)		Changes This Revision		Current Total Budget	
		B.G. Erlandson 6-5969		Budget Prior Revision		Start		Complete	
								Start	
								Complete	

Funding Source: ☐ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENR/CY		Ref. Sched. No.	
2 Controlled Milestones		T = TPA	
M = Major DOE-HQ		R = Westinghouse Key	
K = Major DOE-RL		O = Other	

Type Description Date
 Issue surveillance report on 100N Sanitary Waste Treatment & Disposal System 03/01/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

EFFLUENT MONITORING:

- * Review and approve revised FEMP's.
- * Prepare a data validation procedure for effluent data per FEMP QAAP section 10.2.
- * Receive laboratory test results, validate data, enter data in data base. Provide a monthly trending report on concentrations including the previous 12 months.
- * Receive effluent system mass flow data and calculate monthly releases. Provide a monthly trending report on mass releases including the previous 12 months.
- * Prepare effluent reports for N Reactor approval prior to issuance.

ADS Number	4120		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
			241

4	Distribution	Approvals			
		Title	Authority to Initiate Planning	Date	Title
(1)	Program Administration/Project Control	Activity Manager			Program Administration
(2)	End Function Manager	End Function Manager			Cost Account Manager
(3)	Activity Manager	Cost Account Manager			Activity Manager
(4)	Cost Acct. Manager	Program Administration			End Function Manager

**WBS / ADS / FDS
1.3.1.3 / 3600 / KN**

N Reactor

Detailed Costs

FACILITY OPERATIONS - 1.3.1 FISCAL YEAR 1993 WORK PLAN

Listed on the following pages is a summary of approved Cost Account Authorizations (CAAs) issued to cost account managers to establish the budget baseline for FY 1993.

**FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN**

**N REACTOR - 1.3.1.3
Budget and Staffing Summary
(\$000's)**

	<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
KN101	Program Management	\$ 422	4.2
KN102	Business Management	617	6.9
	KN1 - Program Management and Integration	1,039	11.1
KN201	Continuity of Operations	13,047	93.5
KN202	Waste Handling	1,455	10.9
KN203	Waste Disposal	915	0.0
KN205	Facility Shutdown Execution	166	1.8
KN206	Basin Cleanup	345	3.1
KN208	Patrol Assessment	384	0.0
KN209	Safeguards and Security	93	1.1
	KN2 - Shutdown Planning and Execution	16,405	110.4

**FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN**

N REACTOR - 1.3.1.3
Budget and Staffing Summary
(\$000's)

	<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
KN301	N Reactor Regulatory Response - Program Management	509	4.1
KN302	RCRA Facility Closure Activities	245	1.5
KN303	N Facility Compliance Modifications	592	1.6
KN304	100N Effluent Sampling and Monitoring	661	1.2
KN306	Shoreline Dose Reduction	97	0.8
KN307	N Area Operations Environmental Monitoring	268	0.8
KN308	Effluent Response Action	500	1.8
KN309	Environmental Monitoring and Surveillance	241	2.2
	KN3 - Regulatory Response	3,113	14.0
	TOTAL - N REACTOR	\$ 20,557	135.5

**WBS / ADS / FDS
1.3.1.3 / 3600 / KN**

N Reactor

Milestone Description Sheets

Facility Operations MILESTONE DESCRIPTION SHEET

Title Complete Disposition of Excess Sodium Hydroxide and Sulfuric Acid from 100N	Date 11/10/92
Assigned To Hazardous & Radiological Waste Control	CIN
Program WBS Designator 1.3.1.3 (1KN)	Completion Date 06/30/93
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☐ DOE ☒ RCRA ☐ TPA Driver: 40CFR 260-299	DELIVERABLE: ☐ Report ☒ Letter ☐ Drawings ☒ Other (specify) Manifest	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
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Description and what constitutes completion of this commitment:

Final disposition of excess Sodium Hydroxide and Sulfuric Acid will be completed by shipping to an off-site vendor as a usable product documented on a Hazardous Material Shipment Record (HMSR) or shipped as waste to the 616 Facility/600 Area via a hazardous waste manifest.

Forwarded from FY 1992. Original completion date was 06/30/92.

Cost Account Manager C. D. Lucas <i>C. D. Lucas</i> 11-10-92	Date 11-10-92	Program/Project Manager H. L. Debban <i>H. L. Debban</i> 11/10/92	Date 11/10/92
Activity Manager R. J. Gimera <i>R. J. Gimera</i> 11-10-92	Date 11-10-92	DOE Monitor	Date
Milestone Complete C. D. Lucas	Date 11/10/92	KN08	

Facility Operations MILESTONE DESCRIPTION SHEET

Title	Date
Issue the N Reactor Closure Plan	07/28/92
Assigned To	CIN
Environmental Safety	
Program WBS Designator	Completion Date
1.3.1.3 (1KN)	12/16/92
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☒ Federal ☐ DOE ☐ RCRA ☐ TPA Driver: Public Law 101-189	DELIVERABLE: ☒ Report ☐ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
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Description and what constitutes completion of this commitment:

The Closure Report (CR) is a comprehensive document compiled from several related N Reactor documents. The CR is a requirement specified in Public Law 101-189 requiring the DOE to submit closure documentation to Congress when a DOE facility is shutdown. The CR will present the environmental problems, cost and schedule information for remediation and cleanup efforts. For this commitment to be completed an accumulation of information must be obtained. A survey of environmental problems at the facility, budget quality data indicating the cost of environmental restoration and other remediation and cleanup efforts at the facility; and a proposed cleanup schedule must be completed.

Cost Account Manager	Date	Program/Project Manager	Date
D. J. Watson	11/9/92	H. L. Debban	11-9-92
Activity Manager	Date	DOE Monitor	Date
J. P. Schmidt	11/9/92	N/A	
Milestone Complete	Date		
D. J. Watson			

11/06/92 KN57

Facility Operations MILESTONE DESCRIPTION SHEET

Title Complete Export Water Tie-In	Date 08/19/92
Assigned To Program Management	CIN
Program WBS Designator 1.3.1.3 (1KN)	Completion Date 04/01/93
Number	Revision 1

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☐ DOE ☐ RCRA ☐ TPA Driver:	DELIVERABLE: ☐ Report ☒ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
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Description and what constitutes completion of this commitment:

Complete Export Water Tie-In.

Forwarded from FY 1992. Original completion date was 6/30/92.

Cost Account Manager R. A. Trevino	Date 11.9.92	Program/Project Manager H. L. Debban	Date 11-9-92
Activity Manager R. J. Gimera	Date 11.9.92	DOE Monitor N/A	Date
Milestone Complete R. A. Trevino	Date		

for

Facility Operations MILESTONE DESCRIPTION SHEET

Title Transmit the N Reactor Shoreline Dose Reduction Environmental Assessment to DOE-RL	Date 08/13/92
Assigned To Environmental Safety	CIN
Program WBS Designator 1.3.1.3 (1KN)	Completion Date 09/30/93
Number	Revision 1

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☒ DOE ☐ RCRA ☐ TPA Driver: 5400.5	DELIVERABLE: ☐ Report ☐ Letter ☐ Drawings ☒ Other (specify) NEPA Documentation	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
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Description and what constitutes completion of this commitment:

Transmittal of an Environmental Assessment to DOE-RL in support of decision making process for reducing the radiation levels along the 100N shoreline.

Forwarded from FY 1992. Original completion date was 8/31/92.

Cost Account Manager DJ Watson	Date 11/9/92	Program/Project Manager HL Debban	Date 11/9-92
Activity Manager JP Schmidt	Date 11/9/92	DOE Monitor N/A	Date
Milestone Complete DJ Watson	Date 11/06/92	KN11	

**WBS / ADS / FDS
1.3.1.3 / 3600 / KN**

N Reactor

1993 Master Program Schedule

Westinghouse
Hanford Company

Legend:
 ○ - EVENT
 △ - EST/PROG
 ○ - DOE-RL
 ○ - DOE-RL

THIS SCHEDULE IS SUBJECT TO THE MASTER SUMMARY SCHEDULE

PLANNER: H. L. GANTIN (3-9121)

PAGE: ONE OF ONE

DATE: 05 NOVEMBER 1992

REVISION NO. 0

PROGRAM TITLE: FACILITY OPERATIONS

SCHEDULE TITLE: N REACTOR FY 1993 PROGRAM PLAN

SCHEDULE NO.: FY93-92-07-21-NREACTOR

REVISION NO. 0

X TAB -

**WBS / ADS / FDS
1.3.1.4 / 4130 / KP**

PUREX / UO₃

- **WBS Dictionary Sheets**
- **Cost Account Authorizations**
- **Detailed Costs**
- **Milestone Description Sheets**
- **Master Program Schedule**

**WBS / ADS / FDS
1.3.1.4 / 4130 / KP**

PUREX / UO_3

WBS Dictionary

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT PUREX / UO₃		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.4		5 WBS ELEMENT TITLE PUREX / UO₃	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-top: 10px;"> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> </div> <div style="margin-top: 20px;"> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Transition of the PUREX Plant (1.3.1.4) to a standby configuration was completed late in FY 1992. The UO₃ Plant is being readied for a final campaign to stabilize the remaining liquid uranium inventory to uranium oxide. On approval to run, the campaign will take approximately one month. After stabilization is complete, the UO₃ Plant will be placed in standby configuration in FY 1993. The plants will be maintained in a minimum compliance standby condition until funding is provided to support shutdown planning and execution.</p> </div>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT PUREX / UO₃		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.4.1		5 WBS ELEMENT TITLE PUREX Surveillance and Maintenance	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES 			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-top: 10px;"> A. COST CONTENT <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> </div> <div style="margin-top: 20px;"> B. TECHNICAL CONTENT / WORK STATEMENT <p>Direct and manage all tasks required to support minimum PUREX Plant surveillance and maintenance of critical utility and safety systems while the plant is in standby condition. Maintain minimum compliance with applicable state and federal regulations and DOE orders. Complete 3,500 OSRs and 1,500 normal plant operational surveillances required weekly. Maintain all OSR equipment and complete all PISCES/PMs. Maintain a comprehensive scheduled survey program for both dose rate and contamination levels throughout PUREX.</p> </div>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT PUREX / UO₃		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.4.2		5 WBS ELEMENT TITLE UO₃ Operations and Maintenance	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Direct and manage all tasks required to support UO₃ Plant surveillance and maintenance of critical utility and safety systems during the processing campaign and conversion to standby condition. Maintain minimum compliance with applicable state and federal regulations and DOE orders. Complete processing the remaining uranyl nitrate hexahydrate (UNH) inventory at UO₃. Provide operations, maintenance, health physics, QA/QC, and power operator support to maintain all necessary equipment during the processing campaign and transition to a plant standby condition.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT PUREX / UO₃		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.4.3		5 WBS ELEMENT TITLE Plant Support	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Perform and manage general internal support and purchased outside services necessary to support the PUREX in standby and the UO₃ operating campaign/transition to standby. Outside purchased services include such items as fabrication of burial boxes, spare parts handling/warehousing, sample transportation, and crane-crew support. Internal support includes plant engineering support, work control, planning and scheduling activities, analytical laboratory services, and fabrication support.</p>			

**WBS / ADS / FDS
1.3.1.4 / 4130 / KP**

PUREX / UO_3

1993 Cost Account Authorizations

1 Cost Account		CAA Title	PUREX Surveillance		COST ACCOUNT AUTHORIZATION				August 18, 1992	
1KPI01		Activity Title	PUREX Surveillance		Facility Operations/PUREX/UO ₃				Original	
Resp Org. Title/Cod		PUREX Operations/17200		Original Budget (K\$)		Budget Prior Revision	Changes This Revision	Current Total Budget	Complete	
Cost Acct Mgr. Phone		R. W. Bailey/3-4494		\$5090				10/92	Start	
Funding Source:		☒ Operating Expense		☐ GPP FY		☐ CWO FY		B&R Code		
2 Controlled Milestones		Major DOE-HQ		Major DOE-RL		Westinghouse Key		Ref Sched No		

3 Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Type	0	0	0	0
Description	Complete all required surveillances			
	Complete all event reports within required time limit			
	Complete monthly performance indicator reports			
	Complete quarterly self assessments			

4 Distribution	
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(1) Program Administration/Project Control	Activity Manager	Authority to Initiate Planning	Date	Title	Cost Account / Work Author Approval	Date
(2) End Function Manager	End Function Manager		8-15-92	Program Administration	Paul Stone	10/26/92
(3) Activity Manager	Cost Account Manager		8/19/92	Cost Account Manager	Ronald W. Bailey	10/26/92
(4) Cost Acct. Manager	Program Administration		8/18/92	Activity Manager	R. W. Bailey	10-26-92
			8-18-92	End Function Manager	R. W. Bailey	10/26/92

Total CAP \$000	G & A/CSP \$000	Total CAA \$000
\$5,090	\$1,425	\$6,515
\$5,499	1457	6956

4 Distribution	
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Staffing level is limited to the approved FY 93 Zero Base Budget.	
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1 Cost Account		CAA Title PUREX Maintenance		COST ACCOUNT AUTHORIZATION Facility Operations/PUREX/UO ₃				AA. Gnagher		September 1, 1992	
IKP102		Activity Title/PUREX Surveillance & Maintenance		Original Budget (K\$)		Changes This Revision		Current Total Budget		Rev.	
Resp Org Title/Cod PUREX Maintenance/14300		Original Budget (K\$)		Budget Prior Revision		Budget This Revision		Current Total Budget		Complete	
Cost Acct Mgr. Phone L. Kunkle/3-2633		Original Budget (K\$)		Budget Prior Revision		Budget This Revision		Current Total Budget		Complete	
Funding Source: ☐ Operating Expense ☐ Line Item FY		Major DOE-HQ		Major DOE-RL		Westinghouse Key		Other		Re's Sched No	
Controlled Milestones		Major DOE-HQ		Major DOE-RL		Westinghouse Key		Other		Re's Sched No	

2 Controlled Milestones		Major DOE-HQ		Major DOE-RL		Westinghouse Key		Other		Re's Sched No	
Type		0		0		0		0		0	
Description		Complete all scheduled OSR PISCES		Complete all scheduled OSR PMS		Complete all scheduled corrective Maint. work packages		Date		monthly	
Type		0		0		0		0		0	
Description		Complete all scheduled OSR PISCES		Complete all scheduled OSR PMS		Complete all scheduled corrective Maint. work packages		Date		monthly	
Type		0		0		0		0		0	
Description		Complete all scheduled OSR PISCES		Complete all scheduled OSR PMS		Complete all scheduled corrective Maint. work packages		Date		monthly	

3 Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide maintenance for PUREX systems and utilities. Provide calibration and preventative maintenance procedures. Perform approximately 90 preventative maintenance, 250 calibrations and 80 corrective maintenance work packages on OSR systems, critical utilities, and environmental monitoring equipment per month. Scheduled and corrective maintenance is expected to decrease throughout the year as OSR requirements are reduced and plant systems are taken out of service. Ensure training of craftsmen complies with training requirements in DOE orders, regulatory requirements and WHC procedures.

Staffing level is limited to the approved FY 93 Zero Base Budget.

Total CAP \$000	G & A CSP \$000	Total CAA \$000
\$4,470	\$1,237	\$5,707
\$4,334	1135	\$5,469

4 Distribution		Approvals				
	Title	Authority to Initiate Planning	Date	Title	Cost Account Work Author Approval	Date
(1) Program Administration/ Project Control	Activity Manager	<i>Al Brown</i>	5-1-92	Program Administration	<i>Paul Stone</i>	10/25/92
(2) End Function Manager	End Function Manager	<i>P. C. Thibault</i>	9/1/92	Cost Account Manager	<i>P. C. Thibault</i>	10/29/92
(3) Activity Manager	Cost Account Manager	<i>Henry A. Stone</i>	9-1-92	Activity Manager	<i>Al Brown</i>	10-25-92
(4) Cost Acct Manager	Program Administration	<i>Paul Stone</i>	9/1/92	End Function Manager	<i>P. C. Thibault</i>	10/29/92

SA-6100-581 (08-90)

1 Cost Account		CAA Title		PUREX Assessments		COST ACCOUNT AUTHORIZATION		B&R Code	
1KP103		Activity Title		PUREX Surveillance		Facility Operations/PUREX/UO ₃		Original	
Resp. Org. Title/Code		PUREX/17000		Original Budget (K\$)		Changes This Revision		Current Total Budget	
Cost Acct. Mgr. Phone		A.A. Grasher/3-2535		\$8,106				Start Complete	
								10/92 9/93	
								B&R Code	
								EW3135010	

Funding Source:		☐ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ CWO FY		☐ CENTRIC FY	
2 Controlled Milestones		☒ Major DOE-HQ		☒ Major DOE-RL		☐ Westinghouse Key		☐ Other		Re' Sched No	

Type	Description

3 Description: Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Fund assessments for the PUREX Plant. Provide monthly trending and tracking. Negotiate with the assessing organizations to keep the assessments at the lowest possible levels to support the plants. Funded assessments include: Steam, Electricity, Electrical Utility Maintenance, Laundry/Masks, 222-S Lab, Rail, Records Storage, Job Control, Occupancy for spare parts, Waste Burials, and IRM assessments for EUC and network maintenance.

Total CAP \$000	G & A/CSP \$000	Total CAA \$000
\$6,408	\$1,698	\$8,106

4 Distribution				Approvals			
Distribution		Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/Project Control	Activity Manager			10-27-92	Program Administration	Paul Stone	10-27-92
(2) End Function Manager	End Function Manager			10/28/92	Cost Account Manager	Paul Stone	10-27-92
(3) Activity Manager	Cost Account Manager			10-27-92	Activity Manager	Paul Stone	10-27-92
(4) Cost Acct Manager	Program Administration			10-27-92	End Function Manager	Paul Stone	10/28/92

1 Cost Account		CAA Title		PUREX Health & Safety		COST ACCOUNT AUTHORIZATION		August 11, 1992	
IKP104		Activity Title		PUREX Surveillance & Maintenance		Facility Operations/PUREX/UO ₃		Rev	
Resp. Org Title/Cod		PUREX/UO ₃ Plant H & S/33930		Original Budget (KS)		Changes This Revision		Current Total Budget	
Cost Acct Mgr. Phone		K. W. Gray/3-2268		Original Budget (KS)		Budget Prior Revision		Start	
Funding Source:		☒ Operating Expense		Line Item FY		CWO FY		Complete	
2 Controlled Milestones		Major DOE-HQ		Major DOE-RL		Westinghouse Key		Other	
Description		Perform all scheduled surveys		Calibrate instruments and sources		Perform scheduled air sampling		Date	
Type		0		0		0		monthly	
0		0		0		0		monthly	
0		0		0		0		monthly	

3 Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)		Total CAP \$000		G & A/CSP \$000		Total CAA \$000	
Responsible for the oversight and management of the entire Health and Safety organization and program at PUREX. Maintain a comprehensive scheduled survey program which meets the requirements of DOE Order 5480.11 and WHC-CM-4-10 for both dose rate and contamination levels throughout PUREX. Support effluent sampling and monitoring, response to radiological alarms, personnel safety equipment and the WRAM system. Support maintenance and operations activities to maintain the plant in standby. Support OSR surveillances, effluent monitoring and sampling, maintenance of radiological protection equipment, source control program, training, air sampling tracking and trending, and emergency response. Provide support from Radiological Engineering, Personnel Protection Equipment, Health and Safety Services including; WRAM station support, dosimeter services, bioassay program, procedure preparation, and CCIP support.		\$2,648		\$699		\$3,347	
Staffing level is limited to the approved FY 93 Zero Base Budget.		2797		705		3502	

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account / Work Author Approval	Date
(1) Program Administration/Project Control	Paul D. Stanger	8-17-92	Program Administration	Paul D. Stanger	10/26/92
(2) End Function Manager	Paul D. Stanger	8/19/92	Cost Account Manager	Paul D. Stanger	10/26/92
(3) Activity Manager	Paul D. Stanger	8/17/92	Activity Manager	Paul D. Stanger	10-25-92
(4) Cost Acct Manager	Paul D. Stanger	8-17-92	End Function Manager	Paul D. Stanger	10/26/92

1 Cost Account		CAA Title		PUREX Quality Assurance		COST ACCOUNT AUTHORIZATION		August 11, 1992	
1KPI05		Activity Title		PUREX Surveillance & Maintenance		Facility Operations/PUREX/UO3		AA Gragher	
Resp Org. Title/Cod		PUREX/UO3		QA/QC/38540		58570		Original	
Cost Acct Mgr. Phone		A. Sams/3-2115		Original Budget: (K\$)		440,5288		Start	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ CWO FY		Complete	
2 Controlled Milestones		☒ Major DOE-HQ		☒ Major DOE-RL		☐ Westinghouse Key		Start	
Type		0		0		0		Complete	
Description		Perform scheduled surveillances		Perform inspections		Date		monthly	
3 Description /Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)		Provide a QA/QC Program at PUREX that meets the requirements of DOE Orders 5700.1A "QA Program", and 5400.1 "General Environmental Protection Program." Perform surveillances on OSR instruments, LCO instruments, and maintenance activities for compliance to procedures. Develop inspection plans to be included in the Job Control System work packages to ensure work proceeds as directed and that Quality Assurance is applied in a graded approach in accordance with WHC-CM-1-3, MRP 5.43 and MRP 5.46. Inspections are performed to verify compliance to control and management of hazardous chemicals, SNM inventory, preventative maintenance and effluent management. Review and approve corrective action plans and verify completion for DOE audits/surveillances, completion of NCR actions, event reports, and CAR action items. Provide funding for QA/QC for support to Fabrication Shops and Receiving inspection.		Total CAP \$000		G & A-CSP \$000		Total CAA \$000	
Staffing level is limited to the approved FY 93 Zero Base Budget.		\$288		317		\$81		84	
4 Distribution		Title		Authority		Date		Title	
(1) Program Administration/Project Control		Activity Manager		Initiate Planning		8-15-92		Paul Stone	
(2) End Function Manager		End Function Manager		8/18/92		8/18/92		10/26/92	
(3) Activity Manager		Cost Account Manager		8/18/92		8/18/92		10/23/92	
(4) Cost Acct Manager		Program Administration		8-11-92		8-11-92		10-22-92	

B&R Code		CENRTC FY		Ref Sched No	
541335010		9/93		10/92	

Date		monthly	
monthly		monthly	

4		Distribution		Approvals	
(1) Program Administration/Project Control		Title		Date	
(2) End Function Manager		Activity Manager		8-15-92	
(3) Activity Manager		End Function Manager		8/18/92	
(4) Cost Acct Manager		Cost Account Manager		8/18/92	
		Program Administration		8-11-92	

Date		10/26/92	
10/23/92		10-22-92	
10/26/92		10/26/92	

1 Cost Account		CAA Title PUREX Patrol Support		COST ACCOUNT AUTHORIZATION		September 1, 1992	
1KP107		Activity Title PUREX Surveillance & Maintenance		Facility Operations/PUREX/UO3		Original	
Resp. Org. Title/Cod Hanford Patrol/51800		Original Budget (K\$)		Changes This Revision		Current Total Budget	
Cost Acct Mgr. Phone G. Heiman/3-1780		\$470 K				10/92 9/93	
Funding Source: ☒ Operating Expense		Line Item FY		CWO FY		CENRTC FY	
Major DOE-HQ		Major DOE-RL		Westinghouse Key		Ref Sched No	
2 Controlled Milestones		3 Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)		Date		B&R Code	

Type		Description		Date	
0		Complete all required checks		monthly	

Provide Patrol support for required door checks within the PUREX Plant. Support is limited to 5 direct posts plus infrastructure costs. Requirement will decrease when door alarms are installed. For planning it is assumed that the alarms will be installed in the second quarter of FY 93.

Total CAP \$000	G & A/CSP \$000	Total CAA \$000
\$400	\$70	\$470

Distribution		Approvals			
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date	Cost Account: Work Author Approval	Date
(2) End Function Manager	Activity Manager	Paul D. Lusk	5-7-92	Paul D. Lusk	9-28-92
(3) Activity Manager	End Function Manager	C. E. Maggitt	9/1/92	U. N. Norman	9-23-92
(4) Cost Acct Manager	Cost Account Manager	U. N. Norman	9-23-92	Paul D. Lusk	9-25-92
	Program Administration	Paul D. Lusk	9/2/92	C. E. Maggitt	9/28/92

1 Cost Account		CAA Title UO ₃ Operations		COST ACCOUNT AUTHORIZATION Facility Operations/PUREX/UO ₃		August 27, 1992	
1KP201		Activity Title UO ₃ Surveillance & Maintenance		Original		Rev	
Resp Org Title/Cod UO ₃ Plant Operations/17300		Original Budget (K\$)		Budget Prior Revision		Current Total Budget	
Cost Acct Mgr. Phone E. Ross/3-5213		\$ 22,302				Start Complete	
		2833				10/92 9/93	
Funding Source: ☐ Operating Expense ☐ Line Item FY		Major DOE-HQ		Major DOE-RL		Westinghouse Key	
Controlled Milestones		Major DOE-HQ		Major DOE-RL		Westinghouse Key	
Type DOE-RL TPA		Description Complete UO ₃ Stabilization Campaign Limit UO ₃ waste water flow to 250 gpm		Date 12/31/92 12/31/92			

B&R Code FW3010401
FW3010401
FW3010401

CENRTC FY ☐ CWO FY ☐ GPF FY ☐ Other ☐

Type DOE-RL TPA

Description Complete UO₃ Stabilization Campaign
Limit UO₃ waste water flow to 250 gpm

3 Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Complete conversion to UO₃ powder of the remaining UNH stored at PUREX. Transfer the UNH to the UO₃ Plant, and convert it to oxide. Store the UO₃ in T-hoppers at the UO₃ Plant. Transfer the recovered nitric acid to the PUREX Plant for storage. Upon completion of the operations campaign provide operations & engineering personnel to place the plant in a standby condition and provide surveillance operations for the standby period.

Reduce staffing to the approved Zero Base Budget level when the plant achieves standby.

Total CAP \$000	G & A / CSF \$000	Total CAA \$000
\$2,302	\$627	2833
2253	580	2833

4 Distribution		Approvals			
(1) Program Administration/ Project Control	Title	Authority to Initiate Planning	Date	Title	Date
(2) End Function Manager	Activity Manager	Paul D. Stone	8-1-92	Program Administration	10/26/92
(3) Activity Manager	End Function Manager	W. J. H. H. H.	9/1/92	Cost Account Manager	10/27/92
(4) Cost Acct Manager	Cost Account Manager	W. J. H. H. H.	9-1-92	Activity Manager	10-18-92
	Program Administration	Paul D. Stone	9/1/92	End Function Manager	10/29/92

1 Cost Account		CAA Title UO ₃ Maintenance		COST ACCOUNT AUTHORIZATION		August 1992	
1KP202		Activity Title UO ₃ Surveillance & Maintenance		Facility Operations/PUREX/UO ₃		Original	
Resp Org. Title/CODE PUREX/UO ₃ Maintenance/14300		Original Budget (K\$)		Changes This Revision		Current Total Budget	
Cost Acct Mgr./Phone L. Kunkle/3-2633		\$1123				10/92 9/93	
Funding Source: ☐ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ CENRTC FY ☐ B&R Code						EW3010401	

2 Controlled Milestones		Major DOE-HQ ☒ Major DOE-RL ☐ Westinghouse Key ☐ Other ☐	
Type 0		Description: Complete all periodic maintenance	

3 Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
<p>Provide maintenance support to the UO₃ Plant stabilization campaign. Provide corrective maintenance to the UO₃ Plant systems. Provide preventative maintenance to the UO₃ Plant systems. Provide support for transition to a plant standby condition.</p> <p>Staffing level is limited to the approved FY 93 Zero Base Budget after UO₃ Plant achieves standby.</p>	

Total CAP \$000	G & A/CSP \$000	Total CAA \$000
\$1,123	\$314 258	\$1,437 1421

4		Distribution						Approvals					
(1)	Program Administration/ Project Control												
(2)	End Function Manager												
(3)	Activity Manager												
(4)	Cost Acct Manager												

1 Control Account		CAA Title UO ₃ Support		COST ACCOUNT AUTHORIZATION		August 27, 1992	
1KP203		Activity Title UO ₃ Surveillance & Maintenance		Facility Operations/PUREX/UO ₃		Original	
Resp. Org. Title/Cod UO ₃ Plant/17300		Original Budget (K\$)		Changes This Revision		Current Total Budget	
Cost Acct. Mgr. Phone H.E. Ross/3-5213		1583		9/6		10/92 9/93	
Funding Source: ☐ Operating Expense ☐ Line Item FY		Major DOE-HQ		Major DOE-RL		CENRTC FY	
2 Controlled Milestones		Major DOE-HQ		Major DOE-RL		B&R Code	
Type		Description		Date		Rev	
0		Complete Power Operator surveillances		monthly		monthly	
0		Complete HPT surveillances		monthly		monthly	

3 Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
Provide services to support the maintenance & surveillance of the UO ₃ Plant during the transition to standby and surveillance in the standby condition. Support groups will include UO ₃ Health Physics support, UO ₃ Quality Assurance, Laboratory analysis, Fabrication Shop, and Power Operator support.	
Staffing level is limited to the approved FY 93 Zero Base Budget after UO ₃ Plant achieves standby.	

4 Distribution		Approvals	
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date
(2) End Function Manager	Activity Manager	Paul Stone	5-1-92
(3) Activity Manager	End Function Manager	Paul Stone	9/1/92
(4) Cost Acct. Manager	Cost Account Manager	Paul Stone	7-1-92
	Program Administration	Paul Stone	9/1/92
Total CAP \$000		G & A/CSP \$000	Total CAA \$000
\$683		\$192	PL \$875
724			9/6

4		Approvals	
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date
(2) End Function Manager	Activity Manager	Paul Stone	5-1-92
(3) Activity Manager	End Function Manager	Paul Stone	9/1/92
(4) Cost Acct. Manager	Cost Account Manager	Paul Stone	7-1-92
	Program Administration	Paul Stone	9/1/92

1 Cost Account 1KP204	CAA Title U03 Assessments	COST ACCOUNT AUTHORIZATION Facility Operations/PUREX/UO3				Activity Manager A.A. Grasher	Date October 27, 1992
Resp. Org. Title/Code PUREX/17000	Activity Title U03 Surveillance & Maintenance Project	Original Budget (K\$) \$1,878	Budget Prior Revision	Changes This Revision	Current Total Budget	Start 10/92	Complete 9/93
Cost Acct Mgr /Phone A.A. Grasher/3-2535							

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ CWO FY ☐ CENRTC FY ☐ B&R Code EW3135010

2 Controlled Milestones ☒ Major DOE-HQ ☒ Major DOE-RL ☐ Westinghouse Key ☐ Other ☐ Ref Sched No

Type	Description	Date
3	Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	

Fund assessments for the UO3 Plant. Provide monthly trending and tracking. Negotiate with the assessing organizations to keep the assessments at the lowest possible levels to support the plants. Funded assessments include: Steam, Electricity, Electrical Utility Maintenance, Laundry/Masks, 222-S Lab, Job Control, and IRM assessments for EUC and network maintenance.

Total CAP \$000	\$1,485	G & A/CSP \$000	\$393	Total CAA \$000	\$1,878
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Approvals			
Distribution	Title	Authority to Initiate Planning	Date
(1) Program Administration/ Project Control	Activity Manager	<i>Paul Stone</i>	10-27-92
(2) End Function Manager	End Function Manager	<i>Paul Stone</i>	10-27-92
(3) Activity Manager	Cost Account Manager	<i>Paul Stone</i>	10-27-92
(4) Cost Acct Manager	Cost Account Manager	<i>Paul Stone</i>	10-27-92
	Program Administration	<i>Paul Stone</i>	10-27-92

1 Account		CAA Title		Purchased Support		COST ACCOUNT AUTHORIZATION		Activity		Date	
1KP301		Activity Title		Plant Support		Facility Operations/PUREX/UO3		Original		10/27/1992	
Resp. Org. Title/Code		Outage Planning & Mat. Cont.		Budget (K\$)		Current Total Budget		Start		Complete	
Cost Acct Mgr. Phone		F.A. Muetter/3-3533		\$3,089				10/92		9/93	

Funding Source: ☐ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ CWO FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones ☒ Major DOE-HQ ☒ Major DOE-RL ☐ Westinghouse Key ☐ Other

Type	Description	Date

3 Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide funding to purchase all plant materials for maintenance of the plant. Provide services from miscellaneous support groups within WHC such as: Tank Farm Crane Crew, fabrication of burial boxes, inspection of high voltage protective gloves or blankets, PM and repair of diesel generators, miscellaneous rail maintenance services, transportation of waste or other materials, inventory control of spare parts warehouse, and other miscellaneous work order support.

Provide support to IRM for computer usage charges, maintenance of computers, and other services purchased from IRM.

Total CAP \$000	G & A/CSP \$000	Total CAA \$000
\$2,511	\$578	\$3,089

4 Distribution				Approvals			
Distribution		Title	Authority to Initiate Planning	Date	Title	Cost Account / Work Author Approval	Date
(1) Program Administration/Project Control	Activity Manager	Paul Stone	10-27-92	10-27-92	Program Administration	Paul Stone	10-27-92
(2) End Function Manager	End Function Manager	Paul Stone	10-27-92	10-27-92	Cost Account Manager	Paul Stone	10-27-92
(3) Activity Manager	Cost Account Manager	Paul Stone	10-27-92	10-27-92	Activity Manager	Paul Stone	10-27-92
(4) Cost Acct Manager	Program Administration	Paul Stone	10-27-92	10-27-92	End Function Manager	Paul Stone	10-27-92

1	Account	CAA Title Work Control	COST ACCOUNT AUTHORIZATION		AA Gragher	August 1992
1KP302	Activity Title Plant Support	Facility Operations/PUREX/UO ₃		Original		Rev
Resp Org Title/Cod	PUREX Work Control/17100	Original Budget (KS)	Budget Prior Revision	Changes This Revision	Current Total Budget	Complete
Cost Acct Mgr Phone	F. Perkins/3-2516	51,787			10/92	9/93
Funding Source	☒ Operating Expense	Line Item FY	☐ GPP FY	☐ CWO FY	CENRTC FY	B&R Code
						EN3010401

2	Controlled Milestones	Major DOE-HQ	Major DOE-RL	Westinghouse Key	Other	Ref Sched No
		☒	☒	☐	☐	

Type	0	0	0	0	0	Date
						monthly
						monthly
						monthly
						monthly

Description

Schedule all PISCES & PMs
 Prepare all Maintenance Work Packages
 Maintain Long Range Schedules
 Status completion of Tickler Program

3 Description / Instructions (scope, objectives, approach, constraints, further: milestone definition) (capital justification)

Implement a work control system which meets the intent of the requirements of DOE Order 4330.4A. Develop all maintenance work packages (approximately 30 per week), schedule all work packages and track packages to completion for corrective maintenance, preventative maintenance (250 PISCES & 90 PMs per month) or plant modifications. Provide daily, weekly and monthly direction on all work and establish priorities for all plant work. Maintain approximately 46 Long Range Schedules consisting of about 3000 line items. Track 500 Ticklers per month. Provide ordering, Track, receiving, inspection, handling, storing, retrieving and issuing material or parts, for all maintenance work. expedite and status all material orders. Interface with KEH on all activities to assure all plant requirements are met. Schedule all KEH work to assure plant safety compliance and plant operations management is cognizant of all KEH activities.

Staffing level is limited to the approved FY 93 Zero Base Budget.

Total CAP \$000	G & A/CSP \$000	Total CAA \$000
\$1,787	\$500	\$2,287
2081	551	2,632

4 Distribution				Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account / Work Author Approval	Date		
(1) Program Administration/ Project Control	Activity Manager	5-1-92	Program Administration	Paul Stone	10/26/92		
(2) End Function Manager	End Function Manager	9/1/92	Cost Account Manager	Paul Stone	10/26/92		
(3) Activity Manager	Cost Account Manager	9-1-92	Activity Manager	Paul Stone	10-26-92		
(4) Cost Acct Manager	Program Administration	9/1/92	End Function Manager	Paul Stone	10/26/92		

1	Account	CAA Title	Safeguards & Security	COST ACCOUNT AUTHORIZATION	AA: Grasher	August, 1992
1KP303	Activity Title	Plant Support	Program/Project	Facility Operations/PUREX/UO3	Original	Rev.
Resp. Org. Title	Cod	Safeguards & Security/51000	Original Budget: (K\$)	Current Total Budget	Start	Complete
Cost Acct Mgr. Phone	M. R. Brooksher/6-9927		\$191 K		10/92	9/93

Funding Source	☒ Operating Expense	☐ Line Item FY	☐ GPP FY	☐ CWO FY	☐ CENRTC FY	B&R Code
						EW3010401

2	Controlled Milestones	☒ Major DOE-HQ	☒ Major DOE-RL	☐ Westinghouse Key	☐ Other	Ref Sched No
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Type	Description	Date

3	Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)
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Provide support for a part time security representative and part time key clerk. Provide Safeguards Services support to nuclear material accountability, records preparation and maintenance, measurement specification and inventory programs per DOE Orders 5633.3 "Control and Accountability of Nuclear Materials," and 5633.4, "Nuclear Material Transition, Documentation, and Reporting."

Staffing is limited to the two FTEs detailed in the FY 93 PUREX Zero Base Budget.

Total CAP \$000	G & A/CSP \$000	Total CAA \$000
\$149	\$42	\$191

4				Approvals			
Distribution		Title		Date	Title	Cost Account / Work Author Approval	Date
(1) Program Administration: Project Control	Activity Manager	Authority to Initiate Planning		8-20-92	Program Administration	Paul Stora	7-28-92
(2) End Function Manager	End Function Manager			8/20/92	Cost Account Manager	Paul Stora	7/22/92
(3) Activity Manager	Cost Account Manager			8/21/92	Activity Manager	Paul Stora	8-25-92
(4) Cost Acct Manager	Program Administration			8-20-92	End Function Manager	Paul Stora	9/22/92

1	Cost Account 1KP305	CAA Title Inventory Change Activity Title Plant Support	COST ACCOUNT AUTHORIZATION Facility Operations/PUREX/UO ₃				AA: Graisher	August 11, 1992
Resp Org. Title Code Outage Planning & Material Control (K.S.)		Program/Project K.S.	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete	
Cost Acct Mgr. Phone F.A. Mueller/3-3533			\$0			10/92	9/93	

Funding Source:	☒ Operating Expense	☐ Line Item FY	☐ GPF FY	☐ CWO FY	☐ CENRTC FY	B&R Code
2	Controlled Milestones	Major DOE-HQ	Major DOE-RL	Westinghouse Key	Other	Ref Sched No

Type	Description	Date

3 Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide funding for changes in the PUREX/UO₃ Spare Parts Inventory. The inventory change is the difference between the inventory receipts and disbursements. The inventory is not expected to change. Increases in inventory will be offset by not replacing items which are withdrawn. Since the plant will be down for an extended period, spare parts for all but critical systems will not be replaced.

Total CAA \$000	0	G & A CSP \$000	0	Total CAA \$000	0
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4		Approvals			
Distribution	Title	Authority to Initiate Planning	Date	Title	Cost Account: Work Author Approval
(1) Program Administration/Project Control	Activity Manager	<i>Paul Stone</i>	8-15-92	Program Administration	<i>Paul Stone</i>
(2) End Function Manager	End Function Manager	<i>E.G. Mueller</i>	8/18/92	Cost Account Manager	<i>E.G. Mueller</i>
(3) Activity Manager	Cost Account Manager	<i>E.G. Mueller</i>	8-18-92	Activity Manager	<i>E.G. Mueller</i>
(4) Cost Acct Manager	Program Administration	<i>Paul Stone</i>	8-16-92	End Function Manager	<i>Paul Stone</i>

Account 1KP309	CAA Title Engineering Support Activity Title Plant Support	COST ACCOUNT AUTHORIZATION Facility Operations/PUREX/UO ₃		AA Gragher	August 18, 1992
Resp Org Title/Cod PUREX Engineering/17500	Original Budget (K\$) \$ 4821 K	Budget Prior Revision	Changes This Revision	Current Total Budget	Rev
Cost Acct Mgr Phone R. C. Roal/3-2225	\$ 6127				
Funding Source	☐ Operating Expense	☐ Line Item FY	☐ GPP FY	☐ CWO FY	☐ CENRTC FY
				B&R Code	EW3010401

2 Controlled Milestones	Major DOE-HQ	Major DOE-RL	Westinghouse Key	Other
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Type	Description	Date
0	Maintain Essential Drawings	Monthly
0	Prepare approximately 10 ECNs per month	Monthly
0	Prepare approximately 4 Work Plans per month	Monthly
0	Perform 3 Plant Surveillances per week	Weekly

3 Description (Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification))

Provide all engineering services to support the PUREX and UO₃ Plants. Provide plant design services including preparation, distribution and tracking of plant designs in accordance with DOE Order 6430.1A and NQA-1. Provide engineering support to implement Tri-Party Agreement milestones. Provide System Cognizant Engineers to function as the technical review and approval authority for plant systems. Provide engineering services to implement the requirements of the revised FSAR Chapter 11. Maintain OSRs and Operating Specifications to conform to the new requirements. Provide environmental engineering support to ensure that PUREX/UO₃ Plants comply with DOE Orders 5400.1, 5480.1, 5480.11, and 5480.1A as well as 40 CFR and WAC173-303. Provide support from Criticality Engineering and other required support from other Central Engineering groups.

Staffing level is limited to the approved FY 92 Zero Base Budget.	Total CAP \$000	G & A CSP \$000	Total CAA \$000
	\$4821	1346	AL \$6167
	\$4850	1276	\$6127

4 Distribution				Approvals			
Distribution		Approvals		Title		Date	
(1) Program Administration	Activity Manager	Authority to Initiate Planning	Date	Program Administration	Cost Account: Work Author	Date	
(2) Project Control	End Function Manager			Cost Account Manager	Approval		
(3) Activity Manager	Cost Account Manager			Activity Manager			
(4) Cost Acct Manager	Program Administration			End Function Manager			

1 Cost Account		CAA Title Maintenance Engineering		COST ACCOUNT AUTHORIZATION		August 27, 1992	
1KP310		Activity Title Plant Support		Facility Operations/PUREX/UO ₃		AAwGnasher	
Resp Org. Title Code PUREX/UO ₃ Maintenance/14300		Original Budget (K\$)		Budget Prior Revision		Current Total Budget	
Cost Acct Mgr. Phone L. Kunkle/3-2633		2554		330		10/92 9/93	
Funding Source: ☐ Operating Expense ☒ Line Item FY		Major DOE-HQ		Major DOE-RL		B&R Code	
2 Controlled Milestones		Westinghouse Key		Other		Ref Sched No	
Type		Description		Date		B&R Code	
0		Update procedures as scheduled		monthly		543135010	
0		Provide PM & PISCES job cards		monthly		543135010	
0		Schedule third party inspections		monthly		543135010	

☐ CWO FY ☐ GPP FY ☐ Major DOE-RL ☒ Westinghouse Key ☐ Other

☐ CENTRIC FY ☐ Ref Sched No

Update procedures as scheduled
 Provide PM & PISCES job cards
 Schedule third party inspections

Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide support for procedure development, revision of existing procedures to comply with 06.03 standards. Track and plan job cards, reports, inputs and database maintenance for the recall systems. Schedule third party inspections of pressure vessels and personnel lifting devices.

Staffing level is limited to the approved FY 92 Zero Base Budget.

Total CAP \$000	G & A/CSP \$000	Total CAA \$000
\$254	\$71	325
261	69	330

4 Distribution		Approvals				
	Title	Authority to Initiate Planning	Date	Title	Cost Account Work Author Approval	Date
(1)	Program Administration/ Project Control	<i>R. L. Murphy</i>	5-1-92	Program Administration	<i>Paul Stano</i>	10/29/92
(2)	End Function Manager	<i>R. L. Murphy</i>	9/1/92	Cost Account Manager	<i>R. L. Murphy</i>	10/29/92
(3)	Activity Manager	<i>R. L. Murphy</i>	9/1/92	Activity Manager	<i>R. L. Murphy</i>	10-29-92
(4)	Cost Acct Manager	<i>Paul Stano</i>	9/1/92	End Function Manager	<i>R. L. Murphy</i>	10/29/92

54-6100-581 (08/90)

1 Cost Account		CAA Title Laboratory Analytical		Support COST ACCOUNT AUTHORIZATION		AA Snagher		October 26, 1992	
1KP311		Activity Title Plant Support		Program/Project		Original		Rev.	
Resp. Org. Title/Cod		PUREX Analytical Lab/12420		Original Budget (K\$)		Changes This Revision		Current Total Budget	
Cost Acct Mgr./Phone		T. F. Dale/3-3120		\$800 K				10/92 9/93	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ CWO FY	
		☒ Major DOE-HQ		☒ Major DOE-RL		☐ Westinghouse Key		☐ Other	
2 Controlled Milestones		☒ Major DOE-HQ		☒ Major DOE-RL		☐ Westinghouse Key		☐ Other	
Type		0		Description		Provide analysis per sample schedule		Date monthly	

2 Controlled Milestones		☒ Major DOE-HQ		☒ Major DOE-RL		☐ Westinghouse Key		☐ Other	
Ref Sched No				B&R Code		EW3135010			

3 Description / Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
<p>Manage the laboratory requirements for the PUREX Plant including planning, organizing, leading and controlling activities to provide a safe and cost effective operation. The laboratory is responsible for quality analytical support for effluents, process control, accountability and inventory schedules which include the operation of the ICP, Davies-Grey, X-Ray, Lasers, Dionex, Counting Room and other wet chemistry analytical methods. Comply with DOE Orders 5633.3 and 5700.1A and NQA-1 to establish analytical requirements for the lab. Provide technical support to laboratory equipment and methods, and preparation of standards and reagents.</p> <p>Staffing level is limited to the approved FY 93 Zero Base Budget.</p>	

Total CAP \$000		G & A/CSP \$000		Total CAA \$000	
\$632		168		\$800	

4 Distribution				Approvals			
(1) Program Administration/Project Control	(2) End Function Manager	(3) Activity Manager	(4) Cost Acct Manager	Title	Date	Cost Account Work Approval	Date
				Activity Manager	10-26-92	Paul Stone	10-26-92
				End Function Manager	10/24/92	Chris Paul Fy-TED	10-25-92
				Cost Account Manager	10-24-92	Chris Paul Fy-TED	10-25-92
				Program Administration	10-26-92	Paul Stone	10/24/92

1 Cost Account		CAA Title 200 Area Support Services		COST ACCOUNT AUTHORIZATION		August 27, 1992	
1KP312		Activity Title Plant Support		Program/Project		Original	
Resp Org Title: CODE PUREX/UO3 Maintenance/14300		Original Budget (K\$)		Budget Prior Revision		Current Total Budget	
Cost Acct Mgr: Phone L. Kunkle/3-2633		1484		1484		1484	
Funding Source: ☐ Operating Expense		Line Item FY		GPP FY		CWO FY	
Major DOE-HQ		Major DOE-RL		Westinghouse Key		Other	
Controlled Milestones		Major DOE-RL		Westinghouse Key		Other	
2		Major DOE-RL		Westinghouse Key		Other	
3		Major DOE-RL		Westinghouse Key		Other	

2		Major DOE-RL		Westinghouse Key		Other	
3		Major DOE-RL		Westinghouse Key		Other	

Type		0		0		0	
Description		Perform Testing of wire ropes		Perform Vent & Balance testing		Date monthly monthly	

3		Major DOE-RL		Westinghouse Key		Other	
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Perform periodic testing and repairs on plant hoists, lifting devices, wire ropes and canyon cranes. Provide riggers to install or remove scaffolding. Perform periodic testing of ventilation flows and filters per the requirements in the FSAR, Process Control Manual and WHC-CM-5-9. Provide grounds maintenance, vegetation control, hauling, shipping as required. Provide janitorial services for PUREX dedicated facilities. Provide carpenter support for maintenance of PUREX facilities. Provide sheetmetal support & miscellaneous Fabrication Shop Support.

Total CAP \$000	Total CAA \$000	G & A CSP \$000	Total CAA \$000
\$1,156	\$1,156	\$324	\$1,480
\$1,173	\$1,173	311	\$1,484

Staffing level is limited to the approved FY 93 Zero Base Budget.

Distribution		Approvals			
(1)	Program Administration/Project Control	Title	Authority to Initiate Planning	Date	Title
(2)	End Function Manager	Activity Manager	Paul Stona	5-1-92	Paul Stona
(3)	Activity Manager	End Function Manager	R. L. Mudgett	9/1/92	R. L. Mudgett
(4)	Cost Acct Manager	Cost Account Manager	R. L. Mudgett	9/1/92	R. L. Mudgett
		Program Administration	Paul Stona	9/1/92	Paul Stona

**WBS / ADS / FDS
1.3.1.4 / 4130 / KP**

PUREX / UO_3

Detailed Costs

FACILITY OPERATIONS - 1.3.1 FISCAL YEAR 1993 WORK PLAN

Listed on the following pages is a summary of approved Cost Account Authorizations (CAAs) issued to cost account managers to establish the budget baseline for FY 1993.

**FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN**

PUREX/UO₃ OPERATIONS - 1.3.1.4
Budget and Staffing Summary
(\$000's)

	<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
KP101	PUREX Surveillance	\$ 6,956	79.0
KP102	PUREX Maintenance	5,469	60.9
KP103	PUREX Assessments	8,106	0.0
KP104	PUREX Health & Safety	3,502	31.1
KP105	PUREX Quality Assurance	401	3.8
KP107	PUREX Patrol Support	470	0.0
		<hr/>	<hr/>
	KP1 - PUREX Surveillance & Maintenance	24,904	174.8
		<hr/>	<hr/>
KP201	UO ₃ Operations	2,833	24.2
KP202	UO ₃ Maintenance	1,421	13.2
KP203	UO ₃ Support	916	10.3
KP204	UO ₃ Assessments	1878	0.0
		<hr/>	<hr/>
	KP2 - UO ₃ Operations & Maintenance	7,048	47.7

**FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN**

**PUREX/UO₃ OPERATIONS - 1.3.1.4
Budget and Staffing Summary
(\$000's)**

	<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
KP301	Purchased Support	3,089	4.0
KP302	Work Control	2,632	33.0
KP303	Safeguards & Security	191	1.4
KP305	Inventory Change	0	0.0
KP309	Engineering Support	6,127	59.8
KP310	Maintenance Engineering	330	3.2
KP311	Laboratory Analytical Support	800	8.5
KP312	200 Area Support Services	1,484	14.0
	KP3 - Plant Support	14,653	123.9
	TOTAL - PUREX/UO₃ Operations	\$ 46,600	346.4

**WBS / ADS / FDS
1.3.1.4 / 4130 / KP**

PUREX / UO_3

Milestone Description Sheets

Facility Operations MILESTONE DESCRIPTION SHEET

Title COMPLETE UO3 CAMPAIGN	Date 08/26/92
Assigned To WE Ross	CIN
Program WBS Designator 1.3.1.4 1KP	Completion Date 12/31/92
Number	Revision

MILESTONE CLASS: ☐ TPA ☐ DOE-HQ ☒ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☒ DOE ☐ RCRA ☐ TPA Driver:	DELIVERABLE: ☐ Report ☒ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
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Description and what constitutes completion of this commitment:

Complete the UO3 Stabilization Campaign, to convert approximately 200 MTUs of UNH into UO3 powder.

Cost Account Manager WE Ross	Date 8/28/92	Program/Project Manager TE Huber	Date 8/27/92
Activity Manager AA Grasher	Date 8-28-92	DOE Monitor SS Clark	Date
Milestone Complete	Date	08/27/92	

Facility Operations MILESTONE DESCRIPTION SHEET

Title LIMIT U03 WASTEWATER FLOW TO 250 GPM	Date 08/26/92
Assigned To WE Ross	CIN
Program WBS Designator 1.3.1.4 1KP	Completion Date 12/31/92
Number	Revision

MILESTONE CLASS: ☒ TPA ☐ DOE-HQ ☐ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☐ DOE ☐ RCRA ☒ TPA Driver: M-17-17D	DELIVERABLE: ☐ Report ☒ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☐ DOE-RL ☒ Other (specify) Ecology
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Description and what constitutes completion of this commitment:

Limit U03/U Plant Wastewater effluent flow to less than or equal to 250 gallons per minute, averaged over the calendar month by 12/92. *

* During the Stabilization run limit the discharge of the ditch to less than or equal to 750 gallons per minute averaged over the calendar month.

Cost Account Manager WE Ross	Date 8/27/92	Program/Project Manager TE Huber	Date 8/27/92
Activity Manager AA Grasher	Date 8-27-92	DOE Monitor SS Clark	Date
Milestone Complete	Date	08/27/92	

**WBS / ADS / FDS
1.3.1.4 / 4130 / KP**

PUREX / UO_3

1993 Master Program Schedule

CT 1993

FY 1993

CT 1992

FY 1994

X TAB -

**WBS / ADS / FDS
1.3.1.5 / 4150 / K3**

300 Area Fuels Supply

- **WBS Dictionary Sheets**
- **Cost Account Authorizations**
- **Detailed Costs**
- **Milestone Description Sheets**
- **Master Program Schedule**

**WBS / ADS / FDS
1.3.1.5 / 4150 / K3**

300 Area Fuels Supply

WBS Dictionary

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT 300 Area Fuels Supply		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1.5
4 WBS ELEMENT CODE 1.3.1.5		5 WBS ELEMENT TITLE 300 Area Fuels Supply	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The 300 Area Fuels Supply (1.3.1.5) facilities are being maintained in a regulatory compliant state awaiting direction and funding to begin implementing the N Reactor Fuel Fabrication Facility Shutdown Program Plan. Shutdown tasks are expected to take approximately 3 yr if funding is provided consistent with the shutdown program plan. This activity provides for required engineering, maintenance, and operational personnel to maintain environmental and personnel safety and/or maintain compliance with state and federal regulations. This program also includes regulatory response activities necessary to comply with federal and state environmental regulations and orders involving environmental monitoring and surveillance, RCRA closure plan reviews, and implementation of specific RCRA closure requirements.</p> <p>Packaging and shipping of the 326 metric tonnes of uranium billets to the United Kingdom will also be completed in FY 1993.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT 300 Area Fuels Supply		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1.5
4 WBS ELEMENT CODE 1.3.1.5.1		5 WBS ELEMENT TITLE Program Management and Integration	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-top: 10px;"> A. COST CONTENT <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> </div> <div style="margin-top: 20px;"> B. TECHNICAL CONTENT / WORK STATEMENT <p>300 Area Fuels Supply program management activities include budget and cost/schedule control support, program integration, funds control, and program reporting. Also included is preparation of the fiscal year work plan, multi year program plan, site management system reports, and ADSs for the five-year plan.</p> </div>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT 300 Area Fuels Supply		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1.5
4 WBS ELEMENT CODE 1.3.1.5.2		5 WBS ELEMENT TITLE 300 Area Operations	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-top: 10px;"> A. COST CONTENT <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> </div> <div style="margin-top: 20px;"> B. TECHNICAL CONTENT / WORK STATEMENT <p>Maintain surveillance and control of 300 Area Fuels Supply facilities, and of nuclear material inventories. Maintain minimum compliance with applicable state and federal regulations and DOE orders. Perform direct maintenance activities to preserve the facilities and meet all environmental, safety, and health requirements. Provide overall management and administrative control of activities at the fuel fabrication facilities. Ensure that records are maintained, procedures are in place, and inventory/property records are accurate. Perform decontamination of facilities as required. Oversee leasing of Fuels Supply facilities and equipment. Provide custody of Special Nuclear Materials.</p> </div>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT 300 Area Fuels Supply		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1.5
4 WBS ELEMENT CODE 1.3.1.5.3		5 WBS ELEMENT TITLE Billet Shipment	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Develop safety documentation and procedures to allow packaging and shipments of uranium billets. Package and ship the remaining portion of the 326 metric tonnes of uranium billets to the United Kingdom.</p> <p>Dispose of low level waste (billet boxes) resulting from the billet repackaging.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT 300 Area Fuels Supply		2 DATE August 28, 1992	3 IDENTIFICATION NO. 1.3.1.5
4 WBS ELEMENT CODE 1.3.1.5.4		5 WBS ELEMENT TITLE Regulatory Response	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Perform those activities required to comply with federal and state environmental regulations. These activities include RCRA permits and closure plans, facility compliance modifications, and facility effluent monitoring sampling and analysis.</p> <p>RCRA closure plan review and approval activities include continued preparation of responses to Ecology comments (NODs) on the following closure plans: 303K Mixed Waste Storage Facility, 304 Concretion Facility, 300 Area Waste Acid Treatment System, and 303 M Oxide Facility.</p> <p>Planned RCRA closure plan implementation actions in FY 1993 involve site characterization for the 300 Area Solvent Evaporator.</p>			

**WBS / ADS / FDS
1.3.1.5 / 4150 / K3**

300 Area Fuels Supply

1993 Cost Account Authorizations

1 Cost Account 1K3102		Cost/Schedule/Budget Control Activity Title Program Mgt. & Integrati		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT 300 Area Fuels Supply				Activity Mgr. K. J. Kraemer		Date 11/04/92	
Resp. Org. Title/Code N Reactor Bus. Mgt. 11830		Original Budget (K\$)		Changes This Revision		Current Total Budget		Start		Complete	
Cost Acct. Mgr./Phone K. J. Kraemer		214						10/01/92		09/30/93	

Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY		B&R Code GE0348070	
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2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
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Type	Description	Date
Deliverable	Complete FY 1993 Budget Planning	
Deliverable	Prepare ADS input for the FY 1995 Five-Year Plan	
Deliverable	Provide monthly reporting to meet SMS, PTS, internal & external requirements	
Deliverable	Prepare Fiscal Year Work Plan	
Deliverable	Prepare Multi-Year Work Plan	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide budget planning, funds control, and cost reporting for expense funds, capital line item funds, CENTRC funds, and capital work order funds. Manage the activities of the Change Control Board. Provide interface between WMC and DOE management relative to overall site budgeting, planning, and reporting requirements. Provide coordination for ADS preparation as well as overall support for outyear planning requirements.

ADS Number	4150	
Total CAP \$000	G & A/CSP \$000	Total CAA \$000
		214

4 Distribution		Approvals				
(1) Program Administration/ Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(2) End Function Manager	Activity Manager			Program Administration	K. J. Kraemer	11/6/92
(3) Activity Manager	End Function Manager			Cost Account Manager	K. J. Kraemer	11/6/92
(4) Cost Acct. Manager	Cost Account Manager			Activity Manager	K. J. Kraemer	11/6/92
	Program Administration			End Function Manager	D. W. Wilson	11/9/92

1 Cost Account		CAA Title		Activity Mgr.		Date	
1K3201		Minimum Compliance		J. A. Remaize		08/17/92	
300 Area Operations		PROGRAM/PROJECT		Original		Rev.	
300 Area Fuel Supply 11300		Original Budget (K\$)		Current Total Budget		Start Complete	
2-1462		3,583					
J. A. Remaize		2-1462		Start Complete		Start Complete	

Funding Source: ☐ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ BAR Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA Ref. Sched. No.

Type	Description	Date
0	Excess essential material stored in 3712 Building	06/30/93
0	Relocate & consolidate SNM. Material stored in 333 bldg. will be removed.	09/30/93
0	See additional attached deliverables	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Place and maintain eighteen buildings in the 300 Area that remain from N Reactor fuel production in a radiologically and environmentally safe condition. The facility is classified as a Fissionable Material Facility and this cost account supports the effort required to comply with the OSR's and DOE requirements for such facilities. Funding support requires daily surveillance by operations personnel. Support organizations required to maintain compliance with Federal and State regulations, DOE Orders and WHC requirements include QA, Health Physics, Maintenance Planning, Maintenance Engineering, Warehousing, Janitorial Services, Maintenance Operations, Fire Systems, Maintenance, NEPA Documentation Services, and Fire Systems Testing. Costs for electricity and steam for heat are also included.

Distribution	Approvals			
	Title	Authority to Initiate Planning	Date	Title
(1) Program Administration/Project Control	Activity Manager			Program Administration
(2) End Function Manager	End Function Manager			Cost Account Manager
(3) Activity Manager	Cost Account Manager			Activity Manager
(4) Cost Acct. Manager	Program Administration			End Function Manager

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1K3201 (cont'd)

Tasks support the characterization, control and removal of radiological contamination throughout the facilities. Maintenance work packages are prepared, reviewed and issued to correct safety problems with electrical, environmental, HVAC systems or to correct OSHA deficiencies or support cost control efforts. Substantial efforts are required to maintain configuration control, updating of essential drawings, operate the lock and tag program, to ensure proper posting is current and to prepare safety envelope documentation. Storage of essential materials and spare parts remaining from operation and the labor required for limited disposal is included. Emergency responses planning and training is required, as well as programs for hazard communication, procedure writing, training of employees, record management and ALARA. Activities associated with the storage of 2200 MTU of low enriched uranium feed material and fuel element inventories is included.

300 AREA FUEL SUPPLY CONTINUITY OF OPERATIONS DELIVERABLES

1. Provide Industrial, Nuclear Safety and Radiological protection of personnel, facility and environment and ensure compliance with applicable requirements.
2. Provide the proper handling, segregation, packaging and storage of all types of waste prior to shipment to the appropriate disposal facilities.
3. Obtain Engineering support for needed upgrades, system problems, and to ensure systems and equipment currently in use are operated and maintained as designed.
4. Obtain Quality Assurance support for all 300 Area Fuel Supply activities which include review of purchase requisitions, work packages and design modifications.
5. Perform activities according to approved procedures and ensure compliance with Operational Safety Requirements.
6. Perform surveillances and safety checks to ensure personnel safety and satisfy all Operational Safety Requirements.
7. Obtain HPT support for normal day-to-day activities including radioactive waste/material handling.
8. Obtain routine surveys to ensure contamination and radiation levels are maintained ALARA.
9. Obtain responsive nuclear safety procedure reviews to support issues for new operating procedures, revisions and upgrades.
10. Inventory Special Nuclear Material (SNM) and rearrange for accessibility.
11. Complete 15 additional issues related to site electrical assessment.
12. Resolve future disposition of Sutton Press Hanford Metal Working Facility.
13. Place Fuel Supply on layup status as per schedule.
14. Provide pest, animal and weed control services for the 300 Area Fuel Supply. Services to meet all environmental and OSHA requirements for application utilizing licensed applicators.
15. Obtain JCS support including administration, statistical reporting, and tracking of Work Packages.
16. Ensure compliance with the following fire system requirements DOE Order 5480.7, National Fire Protection Association Guidelines and WHC-CM-4-1 Section 4.2.

17. Provide skills training for the 300 Area Fuel Supply Operation's personnel.
18. Develop a plan for implementing new DOE safety orders, 5480.22 and 5480.23 by June 30, 1993.
19. Complete roof integrity inspection of Fuels Supply buildings.
20. Complete pyrophoric material cleanup in 313 Hot Shop, 333 Hot Shop Drain and Desanno Saw Trench.
21. Prepare WHC-CM-5-35 Fuels Supply Operations Control Manual.

1 Cost Account		CAA Title		Activity Title		Activity Mgr.		Date	
1K3202		Waste Handling		300 Area Operations		J. A. Remaize		08/17/92	
Resp. Org. Title/Code		Original Budget		Changes This Revision		Current Total Budget		Rev.	
300 A Fuels Supply 11300		668							
Cost Acct. Mgr./Phone		Line Item FY		Small Projects FY		CENRTC FY		BAR Code	
J. A. Remaize 2-1462		☐ Operating Expense ☐ Line Item FY		☐ GPP FY		☐ CENRTC FY			

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Funding Source:		☐ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY	
Ref. Sched. No.											

Type	Description	Date
R	Removal, sampling and disposal of hydraulic fluid from Lowery Press.	06/30/93
R	Concretion of pyrophoric mixed wastes accumulated in storage	05/31/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Waste Handling in FY-93 consists of those activities required to transport, treat, characterize, package and prepare for disposal all hazardous, radiological, mixed and non-regulated solid wastes and hazardous, liquid wastes from 300 Area facilities in preparation for shutdown. Included are costs to ensure compliance with WHC requirements, State and Federal Laws and DOE Orders and ensure adequate documentation of all waste shipments. Included in the support required for the limited handling and disposition of excess equipment and materials that cannot be released for public resale or are known to be contaminated, and demolition and removal of excess equipment that represents a hazard to continuing activities. This cost account will be supported by three work packages for 1) waste characterization and analysis, 2) waste operations, 3) decommissioning activities.

4 Distribution		Approvals			
		Title	Date	Title	Date
(1) Program Administration/Project Control	Activity Manager			Program Administration	11/5/92
(2) End Function Manager	End Function Manager			Cost Account Manager	11/4/92
(3) Activity Manager	Cost Account Manager			Activity Manager	11/4/92
(4) Cost Acct. Manager	Program Administration			End Function Manager	11/7/92

1 Cost Account 1K3203		CAA Title Waste Disposal		COST ACCOUNT AUTHORIZATION				Activity Mgr. J. A. Remaize		Date 08/17/92	
300 Area Fuel Supply		300 Area Fuel Supply		PROGRAM/PROJECT 300 Area Fuels Supply				Original		Rev.	
Resp. Org. Title/Code 300 A Fuels Supply 11300		Original Budget (K\$)		Changes This Revision		Current Total Budget		Start		Complete	
Cost Acct. Mgr./Phone J. A. Remaize 2-1462		361									

Funding Source:		☐ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY		BAR Code	
2 Controlled Milestones		M = Major DOE		K = Major DOE		R = Westinghouse Key		O = Other		T = TPA		Ref. Sched. No.	

Type		Description		Date	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)		ADS Number		4150	
<p>Provide funds to dispose of all radioactive, hazardous, and mixed wastes generated during transition to shutdown of 300 Area facilities. Funding represents costs for support organizations to perform disposal functions or to store (mixed) wastes. Waste results from 1) excess product chemicals, 2) contaminated excess property, 3) waste treatment end products, 4) decontamination products. Waste disposal costs are allocated to the sender based on container volumes.</p> <p>The cost account will be supported by three work packages for 1) hazardous, 2) mixed, and 3) low level wastes</p>		Total CAP \$000		G & A/CSP \$000	
				Total CAA \$000	
				361	

4 Distribution		Approvals			
		Authority to Initiate Planning		Title	
(1) Program Administration/Project Control				Program Administration	
(2) End Function Manager				Cost Account Manager	
(3) Activity Manager				Activity Manager	
(4) Cost Acct. Manager				End Function Manager	
		Date		Date	
				11/5/92	
				11-4-92	
				11-4-92	
				11-9-92	

1 Cost Account 1K3206		CAA Title 300 AREA PATROL		COST ACCOUNT AUTHORIZATION				Activity Mgr. J. A. Remaize		Date 11/04/92	
		Activity Title 300 AREA OPERATIONS		PROGRAM/PROJECT 300 AREA FUELS SUPPLY				Original		Rev. 0	
Resp. Org. Title/Code HANFORD PATROL		51800		Original Budget (K\$)		128		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone V. G. Heiman		3-1780		Budget Prior Revision				Start		Complete	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ B&R Code	
								10/01/92		09/30/93	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type		Description		Date	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provide Hanford Patrol support to the 300 Area Fuels Supply Program:

- 1) Prevent the theft, sabotage, diversion or unauthorized control of Special Nuclear Material;
- 2) Provide Protective Forces for facilities within the 300 Area;
- 3) Control access to 300 Area facilities, and the 300 Area Limited Area; and
- 4) Enforce county, state, and federal laws and statutes in the 300 Area.

4 Distribution		Approvals			
		Title		Date	
(1) Program Administration/ Project Control		Activity Manager		Program Administration	
(2) End Function Manager		End Function Manager		Cost Account Manager	
(3) Activity Manager		Cost Account Manager		Activity Manager	
(4) Cost Acct. Manager		Program Administration		End Function Manager	
		Title		Date	
		Activity Manager		11-5-92	
		End Function Manager		11-5-92	
		Cost Account Manager		11-5-92	
		Program Administration		11-9-92	

1 Cost Account		CAA Title		COST ACCOUNT AUTHORIZATION				Activity Mgr.		Date	
1K3207		SAFEGUARDS 300 AREA		PROGRAM/PROJECT 300 AREA FUELS SUPPLY				J. A. REMAIZE		11/04/92	
		Activity Title						Original		Rev. 0	
Resp. Org. Title/Code		51200						Start		Complete	
SAFEGUARDS		6-3202						Start		Complete	
Cost Acct. Mgr./Phone		D. W. ENGEL		197				10/01/92		09/30/93	

Funding Sources: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code GE-0348070

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA

Type	Description	Date

3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (capital justification)

Provide Safeguards support to the 300 Area Fuels Supply Program:

- 1) General compliance with DOE orders for nuclear material control and accountability;
- 2) Operate systems for material accounting and reporting, and assist with material transfers and shipments;
- 3) Conduct MBA custodian training, and perform order required oversight and internal audits of MBA operations; and
- 4) Operate a TID procurement, accounting and control program.

Distribution		Approvals				
	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/Project Control	Activity Manager			Program Administration	<i>R. Braemer</i>	11/4/92
(2) End Function Manager	End Function Manager			Cost Account Manager	<i>Dee E. Eng</i>	11/5/92
(3) Activity Manager	Cost Account Manager		11/5/92	Activity Manager	<i>John J. Remay</i>	11/4/92
(4) Cost Acct. Manager	Program Administration			End Function Manager	<i>J. W. Eng</i>	11-9-92

1 Cost Account		CAA Title		COST ACCOUNT AUTHORIZATION		Activity Mgr.		Date	
1K3211		313 Building Roof Repair		PROGRAM/PROJECT 300 Area Fuels Supply		J. A. Remaize		11/05/92	
		Activity Title				Original		Rev.	
		300 Area Operations						0	
Resp. Org. Title/Code		Life Extension Prog 11810		Original Budget (K\$)		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone		W. A. Frier		243					
		3-3946							
Funding Sources:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY	
		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		T = TPA	
		B&R Code		EW3135050					

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		T = TPA	

Type	Description	Date
0	Issue Letter of Instruction for 313 Building Engineering Study	10/06/92
0	Issue 313 Building Engineering Study for review/comment	03/12/93
0	Approve 313 Building Engineering Study	04/02/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This cost account provides for the issuance of an Engineering Study for 313 Building roof repairs. Also included is the Engineering Study review for comments and approval.

ADS Number	4150
Total CAP \$000	G & A/CSP \$000
	Total CAA \$000
	243

4 Distribution		Approvals			
	Title	Authority to Initiate Planning	Date	Title	Date
(1) Program Administration/Project Control	Activity Manager	John A. Remaize	11-5-92	Program Administration	11/6/92
(2) End Function Manager	End Function Manager			Cost Account Manager	11/5/92
(3) Activity Manager	Cost Account Manager	John A. Remaize	11/5/92	Activity Manager	11-5-92
(4) Cost Acct. Manager	Program Administration	John A. Remaize	11/6/92	End Function Manager	11-9-92

1 Cost Account 1K3303		CAA Title Ops - Billet Shipments		COST ACCOUNT AUTHORIZATION		Activity Mgr. J. A. Remaize		Date 08/14/92	
Activity Title Billet Shipments		PROGRAM/PROJECT 300 Area Fuel Supply				Original		Rev.	
Resp. Org. Title/Code 300 A. Fuels Sply 11300		Original Budget (K\$) 804		Changes This Revision		Current Total Budget		Start	
Cost Acct. Mgr./Phone J. A. Remaize 2-1462		Budget Prior Revision		Changes This Revision		Complete		Start	
Funding Source: ☒ Operating Expense ☐ Line Item FY		Small Projects FY		CENRTC FY		B&R Code			

2 Controlled Milestones		Ref. Sched. No.	
M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	T = TPA

Type	Description	Date
R	Ship 8 ISO's (720 billets)	10/26/92
R	Ship 8 ISO's (720 billets)	11/16/92
R	Ship 5 ISO's (522 billets)	12/31/92
O	Dispose of Empty Billets	03/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This cost account represents the labor required to ship the balance of 326 metric tonnes of Uranium billets to the United Kingdom. In addition, funding is required for supporting Health Physics and Safeguards personnel. The packaging of this material generated contaminated containers that were used for billet storage. Labor to package this low level waste and disposal cost are included.

ADS Number	4150
Total CAP \$000	G & A/CSP \$000
Total CAA \$000	804

4 Distribution		Approvals			
	Title	Date	Signature	Signature	Date
(1) Program Administration/Project Control	Activity Manager				11/5/92
(2) End Function Manager	End Function Manager				11/4/92
(3) Activity Manager	Cost Account Manager				11/4/92
(4) Cost Acct. Manager	Program Administration				11-9-92

1 Cost Account 1K3401		CAA Title 300 Fuels Reg Resp/Prog		COST ACCOUNT AUTHORIZATION				Activity Mgr. J. P. Schmidt		Date 11/04/92	
Resp. Org. Title/Code		Activity Title 300 Area Regulatory Resp		PROGRAM/PROJECT 300 Area Fuels Supply				Original		Rev.	
Cost Acct. Mgr./Phone		Environmental Safet 11120		Original Budget (K\$)		Changes This Revision		Current Total Budget		Complete	
D. J. Watson		3-3250		35						Start	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		10/01/9209/30/93	
CENRTC FY		BAR Code		EW3135050							

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

0 Deliverable		Submit TPA quarterly progress report		quarter 1	
Develop planning and budget baseline documentation					

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This cost account provides overall coordination, planning, scheduling, resource definition, and performance assessment for all elements of the Regulatory Response activity. It includes facility compliance assessments, planning and corrective actions, reporting (TPA quarterly), preparing technical reports, (e.g., waste stream characterization reports) and intraprogram coordination within WHC. The purpose of this task is to provide an orderly and systematic manner of addressing various environmental regulatory drivers with consideration for facility status.

ADS Number	4150		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
			35

4 Distribution		Approvals					
(1) Program Administration/Project Control		Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(2) End Function Manager		Activity Manager			Program Administration	<i>[Signature]</i>	11/6/92
(3) Activity Manager		End Function Manager			Cost Account Manager	<i>[Signature]</i>	11-5-92
(4) Cost Acct. Manager		Cost Account Manager			Activity Manager	<i>[Signature]</i>	11-5-92
		Program Administration			End Function Manager	<i>[Signature]</i>	11-9-92

1 Cost Account 1K3402		CAA Title 300 Fuels Facility Comp		COST ACCOUNT AUTHORIZATION				Activity Mgr. J. P. Schmidt		Date 11/04/92	
Resp. Org. Title/Code 300 Area Regulatory Resp		Activity Title 300 Area Regulatory Resp		PROGRAM/PROJECT 300 Area Fuels Supply				Original		Rev. 0	
Req. Title/Code Reg. Field Support 88400		Original Budget (K\$) 73		Changes This Revision		Current Total Budget		Start		Complete	
Cost Acct. Mgr./Phone B. G. Erlandson 6-5969		Budget Prior Revision		Original Budget (K\$) 73		Changes This Revision		Start		Complete	
Funding Source: ☒ Operating Expense ☐ Line Item FY		Original Budget (K\$) 73		Budget Prior Revision		Current Total Budget		Start		Complete	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Type		Description		Date		Ref. Sched. No.		CENRTC FY		B&R Code	
0		Submit surveillance schedule		01/02/93				EW3135050			
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)											
<p>Environmental Surveillance and Inspection:</p> <ul style="list-style-type: none"> * Prepare and submit a surveillance/inspection schedule matrixed to applicable portions of the Environmental Compliance Manual, WHC-CM-7-5. * Perform surveillance/inspections and report the results per the above schedule. <p>Spill Reporting:</p> <ul style="list-style-type: none"> * Receive information regarding spills and evaluate for reporting and notification purposes. * Provide necessary reports and notification to EPA/WDOE as required. 											
4		Dist. action		Title		Authority to Initiate Planning		Date		Approvals	
(1) Program Administration/Project Control		Activity Manager		Program Administration		Cost Account/Work Author Approval		Date			
(2) End Function Manager		End Function Manager		Cost Account Manager		Activity Manager		Date		11/6/92	
(3) Activity Manager		Cost Account Manager		Activity Manager		End Function Manager		Date		11/9/92	
(4) Cost Acct. Manager		Program Administration		Program Administration		Activity Manager		Date		11-9-92	

1 Cost Account 1K3403		CAA Title 300 Fuels RCRA Closures		COST ACCOUNT AUTHORIZATION				Activity Mgr. J. P. Schmidt		Date 11/04/92	
Resp. Org. Title/Code Environmental Safet 11120		Activity Title 300 Area Regulatory Resp		PROGRAM/PROJECT 300 Area Fuels Supply				Original		Rev. 0	
Cost Acct. Mgr./Phone D. J. Watson		3-3250		Original Budget (K\$)		185		Start		Complete	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	

Ref. Sched. No. EW3135050

Type	Description	Date
R	WHC submit to DOE-RL 303M Oxide Facility Closure Plan Milestone TPA	10/31/92
cont.	change request	
0	Obtain regular approval on TPA change request for 303M Oxide Facility	01/31/93
0	Start 303M Oxide Facility Closure Plan preparation	02/28/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This cost account provides for the engineering, preparation and submittal of Facility RCRA closure Plans for the 303-M Oxide Facility to meet TPA Milestone M-20-30 (October 1992), or as changed thru a TPA change request. This cost account has the following associated tasks:

303M Oxide Facility RCRA Closure Plan Preparation	ADS Number	4150
* Environmental Support	Total CAP \$000	G & A/CSP \$000
* Publications Support		Total CAA \$000
* D and D Support		185

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/ Project Control	Activity Manager		Program Administration	<i>[Signature]</i>	11/6/92
(2) End Function Manager	End Function Manager		Cost Account Manager	<i>[Signature]</i>	11-5-92
(3) Activity Manager	Cost Account Manager		Activity Manager	<i>[Signature]</i>	11-5-92
(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>[Signature]</i>	11-9-92

5 of 5

1 Cost Account 1K3404		CAA Title 300 Fuels RCRA NODs		COST ACCOUNT AUTHORIZATION		Activity Mgr. J. P. Schmidt		Date 11/04/92	
Activity Title 300 Area Regulatory Resp		PROGRAM/PROJECT 300 area Fuels Supply				Original		Rev. 0	
Resp. Org. Title/Code Environmental Safet 11120		Original Budget (K\$) 412		Changes This Revision		Current Total Budget		Start Complete	
Cost Acct. Mgr./Phone D. J. Watson 3-3250		Budget Prior Revision				10/01/9209/30/93		Start Complete	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code	
2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA Ref. Sched. No.	

Type	Description	Date
Deliverable	300 Waste Acid Treat System Closure Plan Approval Cycle	
Deliverable	303K Storage Facility Closure Plan Approval Cycle	
Deliverable	304 Concretion Facility Closure Plan Approval Cycle	
Deliverable	300 Area Solvent Evaporator Closure Plan Approval Cycle	
Deliverable	303m Oxide facility Closure Plan approval Cycle	
cont.	Provide monthly status reports with cost and schedule performance data to D. J. Watson and TPA Integration Manager	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This cost account provides for the implementation of facilities effluent monitoring plans for 300 Area facilities. This includes the work required to implement the FEMP's in facility operating procedure and periodic program review and updates based on changes in originating documents. Affected RCRA Closure Plans are:							
<ul style="list-style-type: none"> * Revised RCRA Closure Plan & NOD response for 300 Area Solvent Evaporator * Revised RCRA Closure Plan & NOD response for 303K Storage Facility * Revised RCRA Closure Plan & NOD response for 304 Concretion Facility * Revised RCRA Closure Plan & NOD response for 300 Waste Acid Treatment System 	<table border="1"> <tr> <td>ADS Number</td> <td>4150</td> </tr> <tr> <td>Total CAP \$000</td> <td>G & A/CSP \$000</td> </tr> <tr> <td>Total CAA \$000</td> <td></td> </tr> </table>	ADS Number	4150	Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
ADS Number	4150						
Total CAP \$000	G & A/CSP \$000						
Total CAA \$000							

Distribution		Approvals		
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(1) Program Administration/Project Control			Program Administration	41/6/92
(2) End Function Manager			Cost Account Manager	11-5-92
(3) Activity Manager			Activity Manager	11-5-92
(4) Cost Acct. Manager			End Function Manager	11-9-92

1 Cost Account 1K3404	CAA Title 300 Fuels RCRA NODs	COST ACCOUNT AUTHORIZATION				Activity Mgr J. P. Schmidt	Date 11/04/92
	Activity Title 300 Area Regulatory Resp	PROGRAM/PROJECT 300 Area Fuels Supply				Original	Rev. 0
Resp. Org. Title/Code	Environmental Safet 11120	Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete
Cost Acct. Mgr./Phone	D. J. Watson 3-3250	412				10/01/92	09/30/93

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY B&R Code EW3135050

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA
Ref. Sched. No.

Type	Description	Date

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Continued. . .

- * Quality Assurance Reviews
- * Decommissioning Engineering Support
- * Review from 300 Area Environmental Protection Organization
- * Environmental engineering support for RCRA Closure Plans and NOD Response Input
- * Publication Support

ADS Number	4150
Total CAP \$000	G & A/CSP \$000
	Total CAA \$000
	412

Distribution		Approvals			
	Title	Authority to Initiate Planning	Date	Title	Cos: Account/Work Author Approval
(1) Program Administration/Project Control	Activity Manager			Program Administration	
(2) End Function Manager	End Function Manager			Cost Account Manager	
(3) Activity Manager	Cost Account Manager			Activity Manager	
(4) Cost Acct. Manager	Program Administration			End Function Manager	

1	Cost Account 1K3405	CAA Title 300 Fuels RCRA Closure	COST ACCOUNT AUTHORIZATION				Activity Mgr. J. P. Schmidt	Date 11/04/92
Resp. Org. Title/Code 300 Area Regulatory Resp		Activity Title 300 Area Regulatory Resp	PROGRAM/PROJECT 300 Area Fuels Supply		Original		Rev. 0	
Cost Acct. Mgr./Phone D. J. Watson		Environmental Safet 11120	Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start Complete	
Funding Source: ☒ Operating Expense ☐ Line Item FY		3-3250	248				10/01/92 09/30/93	

☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY B&R Code EW3135050

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA Ref. Sched. No.

Type	Description	Date
0	Complete 300 ASE RCRA Closure Plans - Concrete Analysis Development	06/30/93
0	Complete 300 ASE RCRA Closure Plans - site characterization	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

This cost account provides the overall coordination of RCRA closure efforts for 300 Area Solvent Evaporator including site characterization efforts following receipt of the applicable RCRA Permit from WDOE. The cost account has the following associated tasks:
 * Sampling structures and soils
 * Drilling
 * Laboratory Analysis
 * Preparation of Quality Assurance Project Plans
 * Analytical Data Validation
 * Documentation of closure activities and results
 * Preparation of Health and Safety Plans
 * Decontamination of sampling equipment
 * Office of Sample Management support for analytical services

ADS Number	4150		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
			248

4		Distribution		Approvals					
		Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date		
(1)	Program Administration/ Project Control	Activity Manager			Program Administration	<i>K. J. Watson</i>	11/9/92		
(2)	End Function Manager	End Function Manager			Cost Account Manager	<i>D. J. Watson</i>	11/9/92		
(3)	Activity Manager	Cost Account Manager			Activity Manager	<i>D. J. Watson</i>	11/9/92		
(4)	Cost Acct. Manager	Program Administration			End Function Manager	<i>D. J. Watson</i>	11-9-92		

1 Cost Account 1K3406		CAA Title 300 Fuels Effluent Mon.		COST ACCOUNT AUTHORIZATION				Activity Mgr. J. P. Schmidt		Date 11/04/92																															
Resp. Org. Title/Code 300 Area Regulatory Resp		Activity Title 300 Area Regulatory Resp		PROGRAM/PROJECT 300 Area Fuels Supply				Original		Rev. 0																															
Res. Org. Title/Code Environmental Safet 11120		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Current Total Budget		Start Complete																															
Cost Acct. Mgr./Phone D. J. Watson 3-3250		24								10/01/9209/30/93																															
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CENRTC FY		B&R Code EW3135050																															
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA																															
Type		Description		Date																																					
0		Provide input to annual effluent release report EIS/ODIS		02/01/93																																					
0		Provide input to PNL annual report		02/01/93																																					
Deliverable		Perform routine liquid effluent monitoring, sampling, and/or annalysis																																							
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)																																									
This cost account provides for the implementation of facility effluent monitoring plans for 300 Area facilities. This includes the work required to implement the FEMP's in facility operating procedure and periodic program review and updates based on changes in originating documents. This cost account has the following associated tasks:																																									
<ul style="list-style-type: none"> * 300 Area FEMP sampling/management * 300 Area effluent sample analysis * Analysis and data verification from office of sample management * Data analysis, reporting and surveillance * Data assessment compared to OSR's 																																									
4 Distribution		<table border="1"> <tr> <td>ADS Number</td> <td>4150</td> </tr> <tr> <td>Total CAP \$000</td> <td>G & A/CSP \$000</td> </tr> <tr> <td colspan="2">Total CAA \$000</td> </tr> <tr> <td colspan="2">24</td> </tr> </table>										ADS Number	4150	Total CAP \$000	G & A/CSP \$000	Total CAA \$000		24																							
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Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date																																				
(1) Program Administration/Project Control	Activity Manager		Program Administration	<i>R. R. R.</i>	11/6/92																																				
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(4) Cost Acct. Manager	Program Administration		End Function Manager	<i>J. J. J.</i>	11-9-92																																				

**WBS / ADS / FDS
1.3.1.5 / 4150 / K3**

300 Area Fuels Supply

Detailed Costs

FACILITY OPERATIONS - 1.3.1 FISCAL YEAR 1993 WORK PLAN

Listed on the following pages is a summary of approved Cost Account Authorizations (CAAs) issued to cost account managers to establish the budget baseline for FY 1993.

FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN
300 AREA FUELS SUPPLY - 1.3.1.5
Budget and Staffing Summary
(\$000's)

	<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FIEs</u>
K3102	Business Management	\$ 214	2.8
	K31 - Program Management and Integration	214	2.8
K3201	Continuity of Operations	3,583	24.4
K3202	Waste Handling	668	7.1
K3203	Waste Disposal	361	0.0
K3206	Fuel Supply Patrol Assessment	128	0.0
K3207	Safeguards and Security - Fuel Supply Program	197	1.6
K3211	313 Building Roof Repair	243	0.0
	K32 - 300 Area Operations	5,180	33.1
K3303	Operations	804	0.7
	K33 - Billet Shipment	804	0.7

FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN
300 AREA FUELS SUPPLY - 1.3.1.5
Budget and Staffing Summary
(\$000's)

	<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
K3401	300 Area Regulatory Response - Program Management	35	0.4
K3402	300 Area Regulatory Response - Environmental Survey	73	0.7
K3403	300 Area Regulatory Response - RCRA Closures	185	1.3
K3404	300 Area Regulatory Response - RCRA NODS	412	2.8
K3405	300 Area RCRA Closure Implementation	248	1.5
K3406	Fuels Effluent Monitoring	24	0.1
		<hr/>	<hr/>
	K34 - Regulatory Response	977	6.8
		<hr/>	<hr/>
	TOTAL - 300 Area Fuels Supply	\$ 7,174	43.4
		<hr/>	<hr/>

**WBS / ADS / FDS
1.3.1.5 / 4150 / K3**

300 Area Fuels Supply

Milestone Description Sheets

Facility Operations MILESTONE DESCRIPTION SHEET

Title Transmit the 303-M Oxide Facility Closure Plan to DOE-RL	Date 08/13/92
Assigned To Environmental Safety Program WBS Designator 1.3.1.5 (1K3)	CIN
Number	Completion Date 10/30/92
	Revision 1

MILESTONE CLASS: ☒ TPA ☐ DOE-HQ ☐ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☐ DOE ☐ RCRA ☒ TPA Driver: M-20-30	DELIVERABLE: ☒ Report ☐ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
---	---	---	---

Description and what constitutes completion of this commitment:

Submit the 303-M Oxide Facility Closure Plan Part B to DOE-RL.

WHC currently interprets completion of this milestone as submittal of a letter invoking the dispute resolution provision of the TPA. WHC has submitted a request for withdrawal of this facility from the RCRA Closure process.

Forwarded from FY 1992. Original completion date 9/30/92.

Cost Account Manager DJ Watson <i>[Signature]</i>	Date 11/9/92	Program/Project Manager HL Debban <i>[Signature]</i>	Date 11-9-92
Activity Manager JP Schmidt <i>[Signature]</i>	Date 11/9/92	DOE Monitor N/A	Date
Milestone Complete DJ Watson <i>[Signature]</i>	Date 11/9/92	11/06/92 K309	

**WBS / ADS / FDS
1.3.1.5 / 4150 / K3**

300 Area Fuels Supply

1993 Master Program Schedule

		CY 1982												CY 1983												FY 1984				
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT			CY 1983												FY 1984	
WBS	DESCRIPTION																													
1.3.1.5	300 AREA FUEL SUPPLY	MAINTAIN SAFE STORAGE OF UNDEPLETED FUEL																												
1.3.1.5-00	U BILLET SHIPMENT	PREPARE/TRANSPORT FOUR SHIPMENTS OF URANIUM BILLETS TO THE UNITED KINGDOM COMPLETE SHIPMENT OF 325 MTU OF URANIUM BILLETS																												
1.3.1.5-01	CLOSURE PLANNING	PL-20-30 SUBMIT THE 300-H OXIDE FAC. CLOSURE PLAN TO DOE-RL CLOSURE PLANNING FOR 300 AREA FACILITIES																												
WBS	DESCRIPTION	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	FACILITY OPERATIONS															
																THIS SCHEDULE IS BASED ON: MASTER SUPPLY SCHEDULE														
																SCHEDULE TITLE 300 AREA FY 1993 PROGRAM PLAN														
																PLANNER M. L. SANTIN (3-9121)														
																PAGE ONE OF ONE														
																REV NO. 1.3.1.5 DATE 28 AUGUST 1992														
																REVISION NO. 0														

X TAB -

**WBS / ADS / FDS
1.3.1.6 / 4170 / K6**

PFP

- **WBS Dictionary Sheets**
- **Cost Account Authorizations**
- **Detailed Costs**
- **Milestone Description Sheets**
- **Master Program Schedule**

**WBS / ADS / FDS
1.3.1.6 / 4170 / K6**

PFP

WBS Dictionary

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT PFP		2 DATE August 28, 1993	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.6		5 WBS ELEMENT TITLE PFP	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The Plutonium Finishing Plant (PFP) (1.3.1.6) is undergoing an ORR for the PRF Facility. Following the ORR process, a declaration of readiness will be transmitted to DOE; PFP Operations will await the decision by DOE to operate. The operating run is necessary to stabilize remaining in-process inventories of reactive sludges and plutonium-bearing liquids to plutonium nitrate for interim storage. Once begun, the stabilization run will take approximately 26 mo. On completion of the stabilization run, PFP process areas will be ramped down to a minimum safe standby condition. Consistent with Secretarial direction, preparatory work will begin in FY 1993 on NEPA documentation to determine the role of the PFP in stabilizing remaining fissile materials at the Hanford Site.</p> <p>The PFP continues to store most of the remaining SNM at the Hanford Site in safe, secure vaults within the PFP Protected Area. This storage mission is expected to continue for the foreseeable future. Storage activities include surveillance and occasional container handling required for restabilization of some materials along with limited shipping and receipt of SNM as directed by the DOE.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT PFP		2 DATE August 28, 1993	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.6.1		5 WBS ELEMENT TITLE Facility Operations	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-left: 20px;"> A. COST CONTENT The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP). </div> <div style="margin-left: 20px; margin-top: 20px;"> B. TECHNICAL CONTENT / WORK STATEMENT Facility Operations provides 24-hour supervision and operational surveillance activities to ensure that the plant is operated and maintained in a safe, secure, environmentally sound, and efficient manner. Direct facility supervision and 24-hour operational surveillance is provided for alarm response, access control to the facility, laundry handling, operation of the plastic fabrication shop and storeroom, consumable operating supplies, general facility (non-process areas) housekeeping, ventilation and power systems, radiological surveillance, environmental monitoring and waste monitoring. Radioactive, hazardous, non-regulated, and radioactive mixed waste are handled, packaged, inspected, sampled, and shipped in waste drums and burial boxes in accordance with all applicable state, federal, and company regulations. In addition, this activity includes investigations, corrective actions and reporting of occurrences at PFP in compliance with DOE Order 5000.3A. (DOE 1990) Finally, coordination and oversight of the JCS, maintenance work, planning, design activities and the plant priority list for the PFP complex are included in this activity. </div>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT <p style="text-align: center;">PFP</p>		2 DATE <p style="text-align: center;">August 28, 1993</p>	3 IDENTIFICATION NO. <p style="text-align: center;">1.3.1</p>
4 WBS ELEMENT CODE <p style="text-align: center;">1.3.1.6.2</p>		5 WBS ELEMENT TITLE <p style="text-align: center;">Facility Administration</p>	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION A. COST CONTENT The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP). B. TECHNICAL CONTENT / WORK STATEMENT The Facility Administration Activity includes general plant management, general budget assessments (base, utility, and environmental), operational assurance, training management, plant administration, RRB, and the PRF Restart Program. This provides line management beyond direct supervision and associated general administrative support for the facility. Base assessments for site services to PFP facilities such as steam, water, electricity, electrical services maintenance, laundry/mask cleaning, facility services, central JCS development, and the 222-S Lab are charged to this activity. Environmental assessments for disposal of non-radioactive hazardous wastes (both onsite and offsite), and general environmental studies or programs required on a site-wide basis are charged to this activity. Tasks to promote safe, efficient operation of the plant, such as the Operational Excellence Program, ALARA activity coordination, off-normal event reporting and review, criticality safety and operating safety requirement coordination, and internal safety assessment support are included in this activity. Scheduling of required occupancy and accreditation training and support for the preparation and evaluation of accreditation training are included. Technical, administrative, and clerical support to the PFP for corrective action tracking editing of administrative and emergency procedures emergency drill program management budget/program support plant status reporting and maintenance of the integrated plant schedule are included. The PRF RRB and the PRF Restart Program external contracts and support are charged to this activity.			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY

PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT PFP		2 DATE August 28, 1993	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.6.3		5 WBS ELEMENT TITLE Facility Technical Support	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Facility Technical Support provides the non-operating technical support required to maintain the PFP in a viable condition and promote radiologically safe and efficient work conditions. Included are activities such as: analytical support for plant operation and environmental sampling and analysis; maintenance and revision of technical documentation (e.g. FSAR, operating procedures, technical manuals); management of quality records; plans and studies necessary to support continued plant integrity; criticality engineering and analysis; and general program technical support, as required. Environmental Compliance evaluates requirements for plant-specific NEPA documentation and manages the environmental compliance program. General facility support is provided to the general operation of the facility including such areas as: Quality Engineering and Quality Control; configuration control; issuance of design drawings; vendor information and construction project files maintenance; engineering instructions development, review, and issuance; and essential drawing as-building. Construction support for modifications and corrective actions to the facility such as KEH expense-funded construction (Davis-Bacon Act); oversight to those projects; and daily operational support, (including operations, engineering, HPT, Patrol, etc.) to capital-projects activities, is included.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT PFP		2 DATE August 28, 1993	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.6.4		5 WBS ELEMENT TITLE Maintenance	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-left: 20px;"> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Maintenance of the PFP includes those activities that are designed to ensure that all plant systems and equipment achieve the maximum reliability and availability, in a safe, environmentally sound, and efficient manner. Maintenance operations include preventive maintenance, predictive maintenance, and corrective maintenance functions. Crafts resources, supervisory and administrative resources, and consumable material are included. The automated PM database PISCES is used for PFP facilities and non-process equipment. Technical criteria for adequate PM/PISCES programs and implementation via upgraded procedures is provided. General maintenance support is obtained from outside the facility as required, including fabrication services, custodial services, general maintenance engineering, vent and balance, rigger support. The costs of spare parts, work planning and the management of materials are not included in this task.</p> </div>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY

PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT PFP		2 DATE August 28, 1993	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.6.5		5 WBS ELEMENT TITLE Work Control	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-left: 20px;"> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The Work Control activity includes outage/operations planning, material management, spares inventory control, spares inventory change, and job control. Outage/Operations Planning includes the development and management for integrated schedule and preventative maintenance activities. Material Management includes the procurement, storage, and staging services for maintenance materials, tools, and consumable supplies. Spares Inventory Control includes the control of spare parts inventory, including the maintenance of drawings and development of procurement specifications for new/replacement spare parts. Spares Inventory Change is an accounting tool for tracking the net change in spare parts inventory. Job Control includes work package preparation, scheduling, and closeout responsibilities for maintenance activities, including controlling documentation. Maintenance of the PFP integrated schedule is not included in this activity.</p> </div>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT PFP		2 DATE August 28, 1993	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.6.6		5 WBS ELEMENT TITLE Reactive Material Management	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
<p>12 ELEMENT TASK DESCRIPTION</p> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The Reactive Material Management activity includes scrap stabilization operations, conversion to nitrate operations, conversion to oxide operations, remedial activities, process area maintenance, and process quality and technical support. Scrap-stabilization operations include the direct supervision and operation of scrap stabilization processes in hoods and gloveboxes. Conversion-to-nitrate operations include the direct supervision and operation of the PRF in 236Z and associated facilities. Conversion-to-oxide operations include the direct supervision and operation of the RMC line head end; and the operational surveillance, processing activities, and initial waste handling activities for the entire RMC processing area. Remedial activities lead to the reduction, disposition, or containment of radioactive/hazardous materials, which includes the isolation and source-term reduction efforts in 232-Z, source-term reduction efforts in the 234-5Z duct level, containment of 241Z piping, and disposition of unused hazardous chemicals. Process area maintenance performs preventive and corrective maintenance of process facilities and equipment and includes crafts time, consumable material costs, and other support as required [Costs of spare parts, work planning, and the management of materials are not included in this activity]. Process Quality and Technical Support includes the technical support for characterization of scrap forms; processing intermediates and end-product content, including analytical laboratory, development laboratory, and process engineering support; support for the development of economic discard limits for fissile materials.</p>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
 PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT PFP		2 DATE August 28, 1993	3 IDENTIFICATION NO. 1.3.1
4 WBS ELEMENT CODE 1.3.1.6.7		5 WBS ELEMENT TITLE Nuclear Material Storage	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <div style="margin-left: 20px;"> <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>Nuclear Material Storage includes SNM safe storage, SNM transfer, storage/shipping maintenance, and process quality and technical support. The SNM safe storage includes the direct supervision and operation of the SNM vault storage in the 2736ZB complex, operational surveillance, material-handling activities, and initial waste handling for the storage area. SNM transfers includes the direct supervision for and handling, shipping, and receiving of onsite and offsite transfers. Storage/shipping maintenance performs preventive and corrective maintenance of shipping and storage facilities and equipment, and includes crafts time and consumable material costs, but not the costs of spare parts, work planning, and materials management. Process quality and technical support includes the technical support for characterization of stored material and material to be shipped/received including analytical laboratory, development laboratory, HPT, and process engineering support; support for evaluating packaging and shipping regulations and requirements; and NDA Lab support.</p> </div>			

US DEPARTMENT OF ENERGY
WORK BREAKDOWN STRUCTURE DICTIONARY
PART II - ELEMENT DEFINITION

1 PROJECT TITLE/PARTICIPANT <p style="text-align: center;">PFP</p>		2 DATE <p style="text-align: center;">August 28, 1993</p>	3 IDENTIFICATION NO. <p style="text-align: center;">1.3.1</p>
4 WBS ELEMENT CODE <p style="text-align: center;">1.3.1.6.8</p>		5 WBS ELEMENT TITLE <p style="text-align: center;">Safeguards and Security</p>	
6 INDEX LINE NO.	7 REVISION NO AND AUTHORIZATION		8 DATE
9 APPROVED CHANGES			
10 SYSTEM DESIGN DESCRIPTION		11 BUDGET AND REPORTING NUMBER	
12 ELEMENT TASK DESCRIPTION <p>A. COST CONTENT</p> <p>The cost content will include all or some of the following cost elements: labor, materials, offsite contract and consultant support, onsite contractor support (PNL, KEH, HEHF), WHC overhead, infrastructure, and site-wide overhead (G&A/CSP).</p> <p>B. TECHNICAL CONTENT / WORK STATEMENT</p> <p>The Safeguards and Security activity includes basic security for facilities within the PFP complex, patrol support, maintenance of the security systems, SNM custodial support, safeguards inventory support, security control documentation, and plant management and Safeguards and Security interface. The basic security for facilities within the PFP complex, including processing areas and vault storage areas containing Category I and II classification materials, is included. Patrol support includes designated patrol posts and other patrol support as required. Maintenance of the security systems includes the equipment and security evaluation of maintenance requirements. The SNM custodial support includes and controls transfer documentation, safeguards inventory support, and access to SNM storage, and supports preparation and maintenance of related security control documentation (e.g. VA, MSSA). Coordination and interface between Plant management and Safeguards and Security organizations are included. Safeguards and Security also evaluates, interprets, develops, plans of action, and implements required corrective measures for DOE orders and federal and state regulations as they pertain to plant security and safeguards operations.</p>			

**WBS / ADS / FDS
1.3.1.6 / 4170 / K6**

PFP

1993 Cost Account Authorizations

1 Cost Account 1K6A01		CAA Title Facility Support Ops		COST ACCOUNT AUTHORIZATION		Activity Mgr. EM Benson		Date 11/05/92	
		Activity Title K6A Facility Operations		PROGRAM/PROJECT PFP		Original		Rev.	
Resp. Org. Title/Code Fac Support Ops 15360		Original Budget (K\$) 1,727		Budget Prior Revision		Current Total Budget		Start Complete	
Cost Acct. Mgr./Phone RE Allen		1,680						10/01/92 09/30/93	

Funding Source: ☒ Operating Expense ☐ Live Item FY ☐ GPP FY ☐ Small Projects FY ☐ CERITC FY ☐ B&R Code	
Ref. Sched. No.	

2 Controlled Milestones		M = Major DOE-HQ K = Major DOE-FL R = Westinghouse Key O = Other T = YPA	
Type	Description	Date	
0	Provide daily sampling of the liquid and gaseous effluent streams	Daily	
0	Complete Facilities Surveillance upgrade training in support of PRF start-up	01/01/93	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

provide facilities surveillance for function testing of security systems, access control, environmental sampling, ventilation and emergency response. Provide 7 day/week, 24 hour surveillance of the PFP, ensuring appropriate response to alarms, access control ventilation and emergency response to alarms, access control ventilation and housekeeping overview in accordance with WHC-CM-5-8. Activities include:

1. Security control of PFP
2. Operations accountability during weekends and holidays for PRF, RMC, and balance of plant areas.

ADS Number	4170
Total CAP \$000	G & A/CSP \$000 Total CAA \$000
1,365	362
1,313	367
	1,727
	1,680

4 Distribution		Approvals	
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date
(2) End Function Manager	Activity Manager	9/1/92	11/19/92
(3) Activity Manager	End Function Manager	9/1/92	11/19/92
(4) Cost Acct. Manager	Cost Account Manager	9/1/92	11/19/92
	Program Administration	9/2/92	11/19/92

1K6A01 - Description (Cont'd)

3. Cognizance of facility condition and safety envelope to provide proper response to abnormal conditions.
4. Building Emergency Director responsibilities during weekends and holidays.
5. Perform management oversight of power and ventilation ops. (A, B, C, D shifts).

1 Cost Account 1K6A02		CAA Title Facility Support Ops		COST ACCOUNT AUTHORIZATION		Activity Mgr. EM BENSON		Date 08/25/92
Resp. Org. Title/Code K6A Facility Operations		PROGRAM/PROJECT PFP		Original		Rev.		
Fac Support Ops 15360		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Current Total Budget
Cost Acct. Mgr./Phone RE Allen		1344 988		10/01/92		09/30/93		
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		T = TPA
Ref. Sched. No.		CENRTC FY		B&R Code				

Type		Description		Date	
0	Complete power operator upgrade training in support of PRF startup	01/01/93		Weekly	
0	Complete weekly OSR glovebox readings.	Monthly		04/01/93	
0	Maintain less than 10 percent delinquency rate for QUEST items.				
0	Implement the PFP winterization program for calendar year 1993-94.				

3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (capital justification)

Provide 24-hour power and ventilation surveillance of the PFP, ensuring correct response to alarms, and control and operation of power and ventilation equipment in accordance with WHC-CM-5-8.

1. Maintain operational control over PFP and 2736-ZB ventilation equipment.
2. Maintain operational control over utilities systems at the PFP.
3. Maintain 24-hour, 7-day/week control and response to the PFP Power Control Room indications and alarms.
4. Track and administer facilities support, QUEST action items, job control for fire systems, personnel training, OSHA oversight and winterization programs.

ADS Number	4170
Total CAP \$000	G & A/CSP \$000
1962	282
772	216
	1344
	988

4 Distribution		Approvals			
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(2) End Function Manager	Activity Manager		9/1/92	Program Administration	EM Benson
(3) Activity Manager	End Function Manager		9/1/92	Cost Account Manager	
(4) Cost Acct. Manager	Cost Account Manager		9/1/92	Activity Manager	
	Program Administration		9/1/92	End Function Manager	

1 Cost Account 1K6A03		CAA Title Health and Safety		COST ACCOUNT AUTHORIZATION		Activity Mgr. EM Benson		Date 11/05/92 08/24/92	
Resp. Org. Title/Code PFP H&S 33920		Activity Title K6A Facility Operations		PROGRAM/PROJECT PFP		Original		Rev.	
Cost Acct. Mgr./Phone PI Linn 3-2493		Operating Expense ☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		B&R Code	
Funding Source: ☒ Operating Expense		☐ Major DOE-HQ		☐ Major DOE-RL		☐ Westinghouse Key		Ref. Sched. No.	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		T = TPA	
Type		Description		Date		Monthly		Monthly	
0		Issue the Health and Safety Plant Performance Report		Monthly		Monthly		Monthly	
0		Submit OSR Rollup report to the PFP OSR Representative		Monthly		Monthly		Monthly	
0		Complete scheduled radiation routines, as listed in the Task Description Manuals.		Monthly		Monthly		Monthly	
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)		Scope: Provide HPT coverage and support for the Westinghouse Radiation Access Management system, exempt support, required training, final personal exit surveys, and required radiation routines in accordance with the appropriate DOE Orders and WHC manuals. 1. PFP/Laboratory Health & Safety will ensure that all personnel entering a radiological area have met the entry requirements per DOE Order 5480.11 (Radiation Protection), DOE Rad Con Manual N 5480.6 and WHC-CM-4-10 Radiation Protection manual. 2. Provide OSR surveillance for environmental effluents to ensure compliance with PFP Safety Analysis Report SAR-021. These surveillances are performed shiftily, 7 days a week.		See Attachment		ADS Number 4170		Total CAA \$000 3,559 3,703	
4 Distribution		Title		Authority to Initiate Planning		Date		Title	
(1) Program Administration/Project Control		Activity Manager		P. M. Benson		9/1/92		Program Administration	
(2) End Function Manager		End Function Manager		P. M. Benson (En M. Benson)		9/1/92		Cost Account Manager	
(3) Activity Manager		Cost Account Manager		P. M. Benson		9/1/92		Activity Manager	
(4) Cost Acct. Manager		Program Administration		P. M. Benson		9/1/92		End Function Manager	

1K6A03 - Description (Cont'd)

3. To ensure that all personnel exiting a radiological area receives the direction and/or assistance to meet the release criteria of DOE order 5480.11, DOE Rad Con Manual 5480.6, and WHC-CM-4-10 Radiation Protection.
4. To ensure all HPTs meet the training requirements detailed in WHC-CM-4-14, Operational Health Physics Administration Guide and WHC-CM-4-5-8, Plutonium Finishing Plant Administration manual i.e., HPT certification and recertification, Hazardous Waste, Criticality, Radiation Worker, CPR, Conduct of Operations.
5. Perform routine radiological surveys (i.e., Dose rate surveys, contamination surveys, source tracking and leak test verification, Non-OSR CAM operability checks, air sample filter exchanges and activity evaluation, material release surveys) to ensure facility compliance with the requirements in DOE Order 5480.11, DOE Rad Con Manual 5480.6, and WHC-CM-4-10, Radiation Protection Manual. A task description program in place detailing the required surveys as documented in WHC-CM-4-12. In FY 1992, approximately 12, 000 routines were performed.
6. Manage and maintain the Waste Control Administration of all hazardous, mixed, and radioactive management including WIPP Plant Operations Authority, Low Level Waste Certification Plan Management, and Waste Confidence Plan. This includes all RCRA weekly inspections, satellite and temporary accumulation area management, and Environmental Sampling Administration.
7. Manage all Dangerous Waste and Hazardous Material Regulatory records including the Solid Waste Information Tracking System, Waste Bar Coding and Manifest Record Retention.
8. Prepare all storage and shipping documents for all TRU, low level and hazardous waste shipments.
9. Chair PFP ALARA Team for the establishment and tracking of all ALARA and Pollution Prevention goals within PFP.

1	Cost Account	CAA Title	COST ACCOUNT AUTHORIZATION				Activity Mgr.	Date
1K6A04	Solid Waste Handling	PROGRAM/PROJECT	PFP	Original	Start	Complete	Start	
	Activity Title	Budget Prior Revision	Changes This Revision	Current Total Budget	Complete	Start	Complete	
Resp. Org. Title/Code	Enviro./Waste Ops. 15370	Original Budget (K\$)						
Cost Acct. Mgr./Phone	WD Bartlett 3-2541	1,578						
Funding Source:		☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY B&R Code		10/01/9209/30/93				

2	Controlled Milestones	M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA
Ref. Sched. No.						

Type	Description	Date
0	Reduce backlog of TRU waste drums needing repackaging by 50 drums (from 100 to 50).	09/30/93
0	Ship 350 LLW drums to CWC.	08/31/93
0	Reduce backlog of TRU waste drums from 350 to 100.	08/31/93
0	Reduce backlog of TRU and low-level waste burial boxes to zero By 50%.	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Manage all radioactive, hazardous, nonregulated and radioactive mixed waste generated within the PFP complex in accordance with Federal, State, and company regulations.

Provide nuclear operators and staff for the handling, inspection, sampling, and shipping of waste containers of radioactive, hazardous, nonregulated and mixed waste from the PFP complex. This activity should be done in accordance with WAC 173.303 DOE RI 5820.2A, 5480.10 and .11, 40 CFR 49 CFR WIPP/WACC, Rev. 4.

4	Distribution	Approvals
(1) Program Administration/Project Control	Title	Authority to Initiate Planning
(2) End Function Manager	Activity Manager	Date
(3) Activity Manager	End Function Manager	Program Administration
(4) Cost Acct. Manager	Cost Account Manager	Cost Account Manager
	Program Administration	Activity Manager
	Program Administration	End Function Manager

1 Cost Account 1K6A05		CAA Title Ops Analysis & Support	COST ACCOUNT AUTHORIZATION		Activity Mgr. EM Benson	Date 08/24/92
Resp. Org. Title/Code Ops Anal & Support 15310		Program/Project K6A Facility Operations	Original		Start	Complete
Cost Acct. Mgr./Phone CP Ames 3-5711		Original Budget (K\$) 1,600	Budget Prior Revision	Changes This Revision	Current Total Budget	Rev.
Funding Source: ☒ Operating Expense		☐ Line Item FY	☐ GPP FY	☐ Small Projects FY	☐ CENRTC FY	B&R Code
2 Controlled Milestones		M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA

Type	Description	Date
0	Achieve compliance to the PFP FSAR as identified in WHC-IP-0824-PUO, Chp.24	01/31/93
0	Maintain compliance with Conduct of Operations as identified in WHC-IP-0821-PUO, Plutonium Operations Administration	03/30/93
0	Achieve control of maintenance activities for PRF start-up by Feb. 15, and for balance of Plant as identified in WHC-CM-5-8, Section 6.9.	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (capital justification)

Perform investigations of reportable events and/or abnormal occurrences for documentation and distribution, action identification and track to completion as per WHC-CM-1-3, Section 5.14.

Evaluate and analyze reportable events and/or abnormal occurrences, operations reports, data, and surveillance logsheets for completeness, lessons learned, and compliance to Conduct of Operations and Operations Safety Requirements to enhance operations activities as per WHC-IP-0821-PUO, Plutonium Operations Administration.

ADS Number	4170
Total CAP \$000	G & A/CSP \$000
1,265	335
1,041	292
Total CAA \$000	
1,600	
1,333	

4 Distribution

See Attachment

Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/Project Control			Program Administration		
(2) End Function Manager		9/1/92	Cost Account Manager		11/10/92
(3) Activity Manager		9/1/92	Activity Manager		11/9/92
(4) Cost Acct. Manager		11/9/92	End Function Manager		11/6/92

1K6A05 - Description (Cont'd)

Perform self-assessments of PFP Operations to promote appropriate Conduct of Operations philosophy in Operations activities. To evaluate and track data points, perform trending analysis, and provide improvement criteria as per WHC-IP-0821-PUO, Chapter 23.

Control, monitor, evaluate, track, tend, and document operations activities related to the facility Safety Analysis Report to ensure compliance to Operational Safety Requirements as per WHC-IP-0821, Chapter 24.

Evaluate corrective actions, event reports, and near-miss situations for appropriate lessons learned and distribute and document findings to improve operations performance and minimize future problems as per WHC-CM-1,3, Section 5.14.

Provide operations objection and control of maintenance activities at PFP including priority assessment, lock & tag requirements, pre-release, post-review and closure per WHC-CM-5-8, Section 6.9.

1 Cost Account 1K6A06		CAA Title HAZ MAT/Waste Control		COST ACCOUNT AUTHORIZATION		Activity Mgr. EM Benson		Date 11/23/92	
Resp. Org. Title/Code HAZ/MAT Waste Cntl 15380		Activity Title K6A Facility Operations		PROGRAM/PROJECT PFP		Original		Rev.	
Cost Acct. Mgr./Phone LJ Estey		Line Item FY 3-4904		Original Budget (K\$) 395 400		Budget Prior Revision		Current Total Budget	
				Changes This Revision		Start		Complete	
						10/01/92		09/30/93	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ BAR Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA Ref. Sched. No.

Type	Description	Date
0	Establish, monitor and evaluate ALARA program integration, including ALARA management worksheets, Post ALARA Review and lessons learned per DOE-HQ 5480.10.11.	09/30/93
0	Implement bar code system for all hazardous material and waste within PFP.	09/30/93
0	Implement Hazardous Material Management Plan, including hazard class segregation of material storage.	12/31/92

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide administrative control, accountability, and management of hazardous material, hazardous waste and radioactive waste.

OBJECTIVE:

1. Implement administrative and manage the hazardous material management plan including updating and maintaining the Hazard Communication Program, Centralized Chemical Inventory and product substitution Database.
2. Create, develop and manage the Hazardous Material and Waste Bar Code System.

ADS Number	4170
Total CAP \$000	G & A/CSP \$000
313	82
391	9
	395
	400

4 Distribution

See Attachment

Distribution		Approvals	
Title	Authority to Initiate Planning	Date	Title
(1) Program Administration/Project Control			Cost Account/Work Author Approval
(2) End Function Manager		9/1/92	11/10/92
(3) Activity Manager		9/1/92	11/15/92
(4) Cost Acct. Manager		9/1/92	11/15/92
		9/1/92	11/15/92

1K6A06 - Description (Cont'd)

3. Manage and maintain the Waste Control Administration of all hazardous, mixed, and radioactive management including WIPP Plant Operations Authority, Low Level Waste Certification Plan Management, and Waste Confidence Plan. This includes all RCRA weekly inspections, satellite and temporary accumulation area management, and Environmental Sampling Administration.
4. Manage all Dangerous Waste and Hazardous Material Regulatory records including the Solid Waste Information Tracking System, Waste Bar Coding and Manifest Record Retention.
5. Prepare all storage and shipping documents for all TRU, low level and hazardous waste shipments.
6. Chair PFP ALARA Team for the establishment and tracking of all ALARA and Pollution Prevention goals within PFP.

1 Cost Account 1K6B01		CAA Title Plant Management		COST ACCOUNT AUTHORIZATION				Activity Mgr. AE Schilling		Date 11/05/92
Resp. Org. Title/Code PFP Admin, EP&S		K6B Facility Administration		PROGRAM/PROJECT PFP		Original		Start		Complete
Cost Acct. Mgr./Phone PD Jensen		15100		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Current Total Budget
3-3849		19325		19325				10/01/92		09/30/93
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		CENRTC FY
		☐ Major DOE-HQ		☐ Major DOE-RL		☐ Westinghouse Key		☐ O = Other		T = TPA
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA
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Type		Description		Date	
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3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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This account provides for the senior management of PFP to ensure the plant is managed in a safe and economical manner while meeting all goals and milestones established by the DOE and WHC. Briefly, provide plant management direction to all first line managers/supervisors for the PFP in the following organizations: PFP Plant Manager (15000), Work Control (15200), PFP Operations (15300), and PFP Engineering (155500) in accordance with procedures contained in the PFP Administration Manual, WHC-CM-5-8, DOE Order 5480.19, Conduct Of Operations, and internal procedure WHC-IP-0821-PUO, Plutonium Operations Administration.

4 See Attachment		Distribution		Approvals	
(1) Program Administration/Project Control		Title		Authority to Initiate Planning	
(2) End Function Manager		Activity Manager		Date	
(3) Activity Manager		End Function Manager		9/1/92	
(4) Cost Acct. Manager		Cost Account Manager		8/27/92	
		Program Administration		8/2/92	
		Activity Manager		11/10/92	
		Cost Account Manager		11/9/92	
		Activity Manager		11/6/92	
		End Function Manager		11/5/92	

1K6B01 - Description (Cont'd)

Specifically, this cost account provides the following management positions: Deputy Plant Manager, Work Control Manager, PFP Operations Manager, PFP Operations Assistant Manager, PFP Environmental Waste Operations Manager, PFP Engineering Manger*, PFP Engineering Assistant Manager, PFP Plant Design Manager, and the PFP Engineering Laboratory Manger*. Also funded are 2 secretaries to these managers as identified by the asterisk.

The purpose of this cost account is to manage the PFP in a safe and economical manner while meeting all goals and milestones established by the DOE and WHC.

1 Cost Account 1K6B02		CAA Title Base Assessments		COST ACCOUNT AUTHORIZATION				Activity Mgr. AE Schilling		Date 11/05/92
Resp. Org. Title/Code K6B Facility Administration		PROGRAM/PROJECT PFP		Original Budget (K\$)		Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete
Cost Acct. Mgr./Phone JO Lundeen		PUREX/PFP Bus Mgmt 10120		11,537					10/01/92	09/30/93
Funding Source:		☒ Operating Expense		☐ GPP FY		☐ Small Projects FY		☐ CENTRIC FY		BBR Code

2 Controlled Milestones		M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA
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Type	Description	Date
<p>3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)</p> <p>Assessments to provide site services to PFP facilities with the excusion of environmental assessments. Services are provided by site-wide programs and billed monthly to each user, based on PFP usage statistics. Included are:</p> <ol style="list-style-type: none"> 1. Steam/Water (PFP usage) 2. Electricity (PFP usage) 3. Utility Maintenance (PFP share of site-wide prioritization) 4. Laundry and Mask Cleaning Services (PFP usage) 5. Job Control System development (PFP share of site-wide organization) 6. 222-S Laboratory Maintenance (PFP share, based on samples sent to lab). 		

4 Distribution		Approvals			
(1) Program Administration/ Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(2) End Function Manager	Activity Manager	<i>Ch. H. H. H.</i>	9/1/92	Program Administration	<i>Ch. H. H. H.</i>
(3) Activity Manager	End Function Manager	<i>Ch. H. H. H.</i>	9/1/92	Cost Account Manager	<i>Ch. H. H. H.</i>
(4) Cost Acct. Manager	Cost Account Manager	<i>Ch. H. H. H.</i>	8-26-92	Activity Manager	<i>Ch. H. H. H.</i>
	Program Administration	<i>Ch. H. H. H.</i>	9/2/92	End Function Manager	<i>Ch. H. H. H.</i>

ADS Number		4170	
Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
9191	2436	11,627	
9,334	2,614	11,948	

1 Cost Account 1K6B03		CAA Title Environmental Assessment		COST ACCOUNT AUTHORIZATION		Activity Mgr. AE Schilling		Date 11/05/92	
Resp. Org. Title/Code PUREX/PFP Bus. Mgmt 10120		Activity Title Facility Administration		PROGRAM/PROJECT PFP		Original		Rev.	
Cost Acct. Mgr./Phone JO Lundeen 3-1272		Original Budget (K\$) 3,008		Budget Prior Revision		Start		Complete	
		2,854				10/01/92		09/30/93	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ BBR Code	
2 Controlled Milestones: M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA	

Type		Description		Date	
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)					

Assessment to provide transportation and disposal of non-radioactive hazardous solid wastes. Includes pick-up at the PFP loading docks; transportation to the appropriate burial/storage site; and disposal as required.					
The volume of PFP solid waste funded for FY 1993 is as follows:					
<ul style="list-style-type: none"> • TRU Waste - 3,450 cubic feet • TRU Mixed Waste - 222 cubic feet • Low Level Waste I - 17, 870 cubic feet • Low Level Waste III - 1,780 cubic feet • Radioactive Mixed Waste - 181 cubic feet • 55 Gallon drums - 218 					
ADS Number		4170		Total CAA \$000	
Total CAP \$000		G & A/CSP \$000		Total CAA \$000	
2,378		630		3,008	
2,230		624		2,854	

4 Distribution		Approvals			
(1) Program Administration/Project Control		Title	Authority to Initiate Planning	Date	Title
(2) End Function Manager		Activity Manager	JO Lundeen	9/1/92	Program Administration
(3) Activity Manager		End Function Manager	JO Lundeen	9/1/92	Cost Account Manager
(4) Cost Acct. Manager		Cost Account Manager	JO Lundeen	8-26-92	Activity Manager
		Program Administration	JO Lundeen	9/2/92	End Function Manager

1 Cost Account 1K6B04		CAA Title Operational Assurance	COST ACCOUNT AUTHORIZATION		Activity Mgr. AE Schilling	Date 11/06/92
Resp. Org. Title/Code Fac & Opn Assurance 15700		Activity Title K6B Facility Administration	PROGRAM/PROJECT PFP	Original	Start	Complete
Cost Acct. Mgr./Phone JR Carey		3-5954	Original Budget (K\$)	Budget Prior Revision	Current Total Budget	Rev.
Funding Source: ☒ Operating Expense		Line Item FY	Original Budget 458 543	Budget Prior Revision	Current Total Budget	Rev.
M = Major DOE-HQ		K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA	
Milestone		Milestone	Milestone	Milestone	Milestone	Milestone

2 Controlled Milestones		M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA
Funding Source: ☒ Operating Expense		Line Item FY	Original Budget 458 543	Budget Prior Revision	Current Total Budget	Rev.
Milestone		Milestone	Milestone	Milestone	Milestone	Milestone

Type	Description	Date
0	Implement program to disposition unreviewed safety questions	12/24/92
0	Develop Facility Self Assessment Plan	09/01/93
0	Review personnel training in accordance with FSAR 11.5.3.4	06/30/93
0	Develop and implement plan for measurement of Conduct of Operations performance in support of PRF restart.	01/15/93
0	Upgrade Performance Indicator program	07/31/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

<p>Provide facility self assessment & Conduct of Operations management and technical staff for the safe & efficient operation of PFP.</p> <p>-Provide primary and backup Criticality Safety Representative, provide liaison for criticality safety matters between organizations having custody of fissionable material within all organizations.</p> <p>-Prepare and maintain criticality safety postings, including inspection & verification of adequacy & proper display.</p> <p>-Coordinate the preparation, review & approval of Criticality Safety Evaluation Reports (CSER) and Criticality Prevention Specifications (CPS).</p> <p>-Maintain auditable files on CSER and CPS and associated postings.</p>	<table border="1"> <tr> <td>ADS Number</td> <td>4170</td> </tr> <tr> <td>Total CAP \$000</td> <td>0 & A/CSP \$000</td> </tr> <tr> <td>Total CAA \$000</td> <td></td> </tr> <tr> <td>362</td> <td>96</td> </tr> <tr> <td>424</td> <td>118</td> </tr> <tr> <td></td> <td>458</td> </tr> <tr> <td></td> <td>543</td> </tr> </table>	ADS Number	4170	Total CAP \$000	0 & A/CSP \$000	Total CAA \$000		362	96	424	118		458		543
ADS Number	4170														
Total CAP \$000	0 & A/CSP \$000														
Total CAA \$000															
362	96														
424	118														
	458														
	543														

4 Distribution		Approvals	
Title	Authority to Initiate Planning	Date	Title
(1) Program Administration/ Project Control	AE Schilling	9/1/92	Program Administration
(2) End Function Manager	AE Schilling	9/1/92	Cost Account Manager
(3) Activity Manager	AE Schilling	9/1/92	Activity Manager
(4) Cost Acct. Manager	AE Schilling	9/1/92	End Function Manager
	AE Schilling	9/1/92	

1K6B04 - Description (Cont'd)

- Review and coordinate design activities for facility and process modifications that affect criticality safety.
- Participate in criticality safety training by providing material for classes, reviewing training material, and interfacing with Safety training to assist with course content.
- Provide OSR Representative
 - o Coordinate and administer the operational surveillance program of the OSR compliance.
 - o Review and reissue, at least annually, a letter defining frequency of OSR Data Sheet Rollup Review and reporting for each group.
 - o Provide overchecks on OSR compliance issues, give guidance and interpretation on OSRs to plant personnel and interface with Safety Assurance and Quality Assurance on their independent overviews.
 - o Conduct continuing review of compliance to OSRs, maintaining an auditable file demonstrating at least an annual review of each OSR.
- Perform Unreviewed Safety Question Evaluations in accordance with MRP 5.12. Provide and maintain an administrative procedure for USQ resolution process at PFP.
- Provide Employee Concerns Coordinator.
- Establish and maintain the OSHA program in the PFP to ensure all operations and maintenance activities are conducted in a safe manner.
- Coordinate OSHA activities for PFP. Ensure adequate progress in addressing safety items. Provide periodic status to upper management.
- Evaluate and investigate safety concerns expressed by employees. Plan action to attain resolution and take necessary actions.
- receive, document, evaluate, investigate, resolve, follow up, report and close all employee concerns from PFP personnel which cannot be resolved through normal channels.
- Act as PFP liaison with the WHC Employee Concerns Program Manager.
- Establish and maintain the Operational Excellence Program in the PFP to ensure operations are conducted in a formal disciplined manner achieving environmentally sound, secure total quality performance.

1 Cost Account		CAA Title Training Management		COST ACCOUNT AUTHORIZATION		Activity Mgr. AE Schilling		Date 11/05/92	
1K6B05		Activity Title K6B Facility Administration		PROGRAM/PROJECT PFP		Original		Rev.	
Resp. Org. Title/Code		PFP Training		Original Budget (K\$)		Budget Prior Revision		Changes This Revision	
Cost Acct. Mgr./Phone		JA Kion-JR Carey 3-5357		794 925					
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Project FY	
CENRTC FY		10/01/92		09/30/93		Start		Complete	
BAR Code									

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Weathhouse Key		O = Other		T = TPA	
Ref. Sched. No.											

0		Type		Description		Date	
				Provide training evaluation in support of PFP restart in accordance with the Training Run Test Plan.		01/15/93	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provide guidance & direction for all plant training, & ensure required training needs, including independent evaluation are met. Conduct independent evaluations of knowledge and skills for operating personnel, chemical technicians, nuclear custodians, supervisors and managers as required by WMC-CM-5-8, Section 2.3. Conduct evaluations of classroom training monthly for PFP operations personnel as required by good conduct of operations.

ADS Number	4170		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
628	166	794	
748	209	957	

4		Distribution		Approvals			
(1) Program Administration/Project Control		Title		Authority to Initiate Planning		Date	
(2) End Function Manager		Activity Manager		9/1/92		Program Administration	
(3) Activity Manager		End Function Manager		9/4/92		Cost Account Manager	
(4) Cost Acct. Manager		Cost Account Manager		9/2/92		Activity Manager	
		Program Administration		9/2/92		End Function Manager	

1K6B05 - Description (Cont'd)

Maintain certification as a nuclear supervisor in at least one area of PFP operations. This requires 16 hours per month.

Provide membership to the Oral Examination Board required by DOE Order 5480.20

Conduct independent evaluation of all OJT conducted by PFP managers, supervisors, and managers.

Revise and implement the Training Implementation Matrix as required by DOE Order 5480.20.

Monitor PFP drills, provide critiques and feedback lessons learned to the training program.

still
apply

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Develop, maintain, update and modify the PFP Training Status Reports' Notebook and training matrices.

Schedule training for PFP personnel

Provide funds for PFP personnel training
tuition bill-back.

1 Cost Account 1K6B06		CAA Title Plant Administration	COST ACCOUNT AUTHORIZATION		Activity Mgr. AE Schilling	Date 11/03/92
Resp. Org. Title/Code PFP Admin, EP&S 15100		PROGRAM/PROJECT PFP	Original Budget (K\$)	Budget Prior Revision	Current Total Budget	Rev.
Cost Acct. Mgr./Phone PD Jensen 3-3849		Original Budget (K\$)	1,414			
Funding Source: ☒ Operating Expense		Line Item FY	1,414			
		Small Projects FY				
		CENRTC FY				
		BAR Code				
		Ref. Sched. No.				

2 Controlled Milestones		M = Major DOE-HQ	K = Major DOE-RL	R = Weatherhouse Key	O = Other	T = TPA
Type	Description	Date				
0	Provide input to Site Management System Report	Monthly				
0	Prepare FY 1994 Work Plan	09/30/93				
0	Annual Property Management Audit	08/31/93				
0	Prepare Multi-Year Work Plan	05/30/93				
0	Update PFP Building Emergency Plan, WHC-IP-0263-PFP	12/30/92				
0	Conduct/coordinate 8 Emergency Preparedness drills	09/30/93				
0	Provide input to the WHC Internal Financial Review	Monthly				
0	Provide input to Progress Tracking System	Monthly				

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide technical administration to the PFP Complex which includes the following: expense & CENRTC budget planning, expense & CENRTC variance analysis, plant status reporting (i.e., Monthly Plant Performance, Weekly Reports, Critical Items Reports, etc.), visitor access control (SEA Clerk), property management administration for all property assigned to Organization Code 15000, administration/cooperation of the PFP emergency preparedness Program (including emergency preparedness drills), administration of the WHC PRICE Program for PFP and administration of the WHC-CM-5-8 manual, PFP Administration Manual.	
ADS Number	417D
Total CAP \$000	1,119
G & A/CSP \$000	295
Total CAA \$000	1,414

4 Distribution		Approvals	
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date
(2) End Function Manager	Activity Manager	Program Administration	11/10/92
(3) Activity Manager	End Function Manager	Cost Account Manager	11/10/92
(4) Cost Acct. Manager	Cost Account Manager	Activity Manager	11/10/92
	Program Administration	End Function Manager	11/10/92

1K6B06 - Description (Cont'd)

Specific deliverables are to include the following: annual property management audit, visitor access control for approximately 75 persons per work day, monthly budget planning and status reports, Site Management System monthly input, administration of PFP related Fiscal Year and Multi-Year Work Plans (i.e., CAAs, CAPs, ADSs, etc.) and periodic revisions, updates, additions to applicable sections of the PFP Administrative Manual, WHC-CM-5-8.

1 Cost Account 1K6B08		CAA Title Readiness Review Board		COST ACCOUNT AUTHORIZATION		Activity Mgr. AE Schilling		Date 11/05/92	
Resp. Org. Title/Code PUREX Support 17400		Activity Title Facility Administration		PROGRAM/PROJECT PFP		Original		Rev.	
Cost Acct. Mgr./Phone RA Eschenbaum		Original Budget (K\$) 0 720		Budget Prior Revision		Changes This Revision		Current Total Budget	
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CERPTC FY	
M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	

2 Controlled Milestones		Ref. Sched. No.	
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Type	Description	Date
0	Complete PRF affidavit review/approval	10/18/92
0	Issue PRF Restart Letter of Readiness from the ORR Board to the MHC approval authority	01/08/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide Operational Readiness Review (ORR) Board activities consistent with WHC-SP-0787, Rev. 1, "Plutonium Finishing Plant Operational Readiness Review."
Specific activities include the following:

1. Revise, as needed, approved master criteria, areas of specific criteria, & lines of inquiry for those items/issues which must be resolved prior to the planned operations.

4 See Attachment		Approval	
Distribution	Title	Date	Cost Account/Work Author Approval
(1) Program Administration/Project Control	Activity Manager	9/1/92	P.M. Bodman
(2) End Function Manager	End Function Manager	9/1/92	P.M. Bodman
(3) Activity Manager	Cost Account Manager	9/1/92	P.M. Bodman
(4) Cost Acct. Manager	Program Administration	9/2/92	P.M. Bodman

ADS Number	4170	G & A/CSP \$000	Total CAA \$000
Total CAP \$000	569	151	0 720

1K6B08 - Description (Cont'd)

2. Review and approve remaining appropriate documentation and/or affidavits submitted as auditable evidence of resolution of lines of inquiry. Assess open issues to the pre- or post- punchlist and revise method of closure of punchlist items, if required.
3. Assure remaining affidavit evaluations are conducted and their results documented and included in the affidavit package.
4. Interface with facility management as deemed necessary to support a timely and proficient ORR process.
5. Submit a formal recommendation of the Board's assessment of operational readiness to the WHC approval authority upon completion of the readiness review.
6. Upon completion of the ORR, transfer the certification package and auditable records to the PFP plant manager.

1 Cost Account		CAA Title	COST ACCOUNT AUTHORIZATION		Activity Mgr.	Date
1K6B09		PRF Restart Program	PROGRAM/PROJECT PFP		AE Schilling	10/24/92
Resp. Org. Title/Code		Activity Title	Original Budget	Budget Prior Revision	Start	Complete
PFP		Facility Administration	15000			
Cost Acct. Mgr./Phone		EC Vogt	3-2519	0-5446	10/01/92	09/30/93
Funding Source:		☒ Operating Expense	☐ Line Item FY	☐ GPP FY	☐ Small Projects FY	☐ CENRTC FY
2 Controlled Milestones		M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
Type	Description
0	obtain PFP FSAR approval from DOE-HQ
0	Complete Operations Procedures reformatting
0	Initiate PRF Integrated System Checkout
M	Submit Declaration of Readiness for PRF Restart

4 Distribution		Approvals	
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date
(2) End Function Manager	Activity Manager	Program Administration	9/1/92
(3) Activity Manager	End Function Manager	Cost Account Manager	9/1/92
(4) Cost Acct. Manager	Cost Account Manager	Activity Manager	11/9/92
	Program Administration	End Function Manager	9/1/92

5 Summary	
ADS Number	4170
Total CAP \$000	G & A/CSP \$000
Total CAA \$000	0 5446

1K6B09 - Description (Cont'd)

2. Conduct of Operations - To plan, implement and document compliance to DOE Order 5480.19 using a graded approach at the PRF to accelerate, strengthen and coordinate initiatives already underway.
3. PFP/FSAR Implementation - Provide a systematic, documented and controlled implementation of the PFP/FSAR through review of plant configuration/conditions, implement new OSRs, disposition/justify requirements that were formerly considered OSRs, training of plant personnel to new conditions and operability verification of alarm systems, etc.
4. Issues, Corrective Actions Closure - Identify and resolve proactively major programmatic issues that may exist regarding restart of the PRF.
5. Maintenance Improvements - Implement the changes in the PFP maintenance Program required by the new PFP/FSAR, the changed mission, and restart-related corrective actions. This task will upgrade the work control process and craft qualification training records consistent with current practice: and,
6. Engineering Improvements - Implement the changes in the plant operating procedures and other technical documents required for the new PFP/FSAR, the changed mission, restart documentation and related enhanced actions, plus upgrading key technical documents to meet current DOE guidelines.

1 Cost Account		CAA Title		COST ACCOUNT AUTHORIZATION		Activity Mgr.		Date	
1K6C01		Technical Support		PROGRAM/PROJECT PFP		RR Borisch		08/24/92	
Resp. Org. Title/Code		Activity Title		Original Budget		Start		Complete	
PFP Engineering		K5C Technical Support		15500		10/01/92		09/30/93	
Cost Acct. Mgr./Phone		LH Rodgers		3-2185		10/01/92		09/30/93	

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA

Type	Description	Date
0	Complete Environmental & Industrial Health Sample Status Report	Qrtly
0	Initiate PFP FSAR Annual Update	03/31/93
0	Install workable version of SCALE (Criticality) Code on Cray Computer	09/30/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide the non-process technical activities required to maintain the PFP in a safe & viable status.

Provide analytical laboratory analyses of PFP facility (non-process) & environmental samples (approx 1200/month) to ensure accurate & timely knowledge of plant liquid & gaseous effluents required by WHC-CM-7-5 & WHC-CM-5-8 including necessary LCCS & procedure maintenance & sample analysis statistical quality control. Maintain & revise plant technical documentation to include:

See Attachment

Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work	Author Approval
(1) Program Administration/Project Control	P. R. Borisch	9/1/92	Program Administration	P. R. Borisch	11/10/92
(2) End Function Manager	P. R. Borisch	9/1/92	Cost Account Manager	P. R. Borisch	11/16/92
(3) Activity Manager	P. R. Borisch	9/1/92	Activity Manager	P. R. Borisch	11/16/92
(4) Cost Acct. Manager	P. R. Borisch	9/1/92	End Function Manager	P. R. Borisch	11/16/92

Page 1 of 1

1K6C01 - Description (Cont'd)

FSAR annual update, approximately 350 operating procedures, approx 5 each technical manuals and specifications, fund external technical support for these items. Ensure that technical documentation meets applicable requirements of WHC-CM-6-1, WHC-CM-5-8 and DOE guidance document DOE/NE/SP-0001T. Maintain the criticality safety program, including periodic inspection, response to problem situations, analysis of designs, per DOE 5480.5, MRP 5.23 and WHC-CM-4-29. Provide management of quality records per MRP 3.3. NOTE: Excludes pending DOE Order 5480.22 ~~and 5480.22~~ and 5480.23 and implementation of WHC-CM-4-46, Rev. 7 (issued 08/13/92) and all later revisions

1 Cost Account		CAA Title Environmental Compliance		COST ACCOUNT AUTHORIZATION		Activity Mgr. RR Borisch		Date 11/10/92	
1K6C02		Activity Title Technical Support		PROGRAM/PROJECT PFP		Original		Rev.	
Resp. Org. Title/Code		PFP Environ Compl. 15540		Original Budget (K\$)		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone		LA Garner 3-5698		1,324				10/01/92 09/30/93	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY	
Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other	
T = TPA									

Type	Description	Date
0	Submit Waste Minimization Goals for PFP	12/15/93 *
0	Perform Process Waste Assessment and submit report	04/30/93 *
0	Submit Draft LLWTF Operating Procedures for review	09/30/93
0	Submit Solid Waste forecast for FY 94	06/30/93
0	Submit Air Emissions Inventory	05/30/93 *
1	Complete Definitive Design, Project B-680H - PFP Low Level Waste Treatment Facility (M-17-16C)	12/31/92 Complete
0	Submit Input for Annual SARA 312 Report	1/31/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification) M.S. X MOVED TO KE

Provide direction for waste handling, control and monitoring of liquid and gaseous effluents, prepare NEPA documentation, develop and implement compliance plans as necessary to correct problems. More specifically: provide PFP Environmental Compliance management and technical direction to ensure compliance with Federal and State regulations; evaluate requirements for plant specific NEPA documentation; provide solid waste management engineering direction with fully trained and certified personnel for solid waste storage and shipment operations; prepare procedures for operation of the new liquid low-level waste treatment facility (234-Z); provide direction for control and monitoring of liquid gaseous effluents.

ADS Number	4170
Total CAP \$000	G & A/CSP \$000
1065	266
989	274
Total CAA \$000	
1,271	
1,254	

Distribution		Approvals	
Title	Authority to Initiate Planning	Date	Title
(1) Program Administration/Project Control	LA Garner	9/1/92	Program Administration
(2) End Function Manager	LA Garner (En M. 1000)	9/1/92	Cost Account Manager
(3) Activity Manager	LA Garner	9/1/92	Activity Manager
(4) Cost Acct. Manager	LA Garner	9/1/92	End Function Manager

1 Cost Account		CAA Title General Facility Support	COST ACCOUNT AUTHORIZATION		Activity Mgr. RR Borisch	Date 11/15/92
1K6C03		Activity Title K6C03 Technical Support	PROGRAM/PROJECT PFP		Original	Rev.
Resp. Org. Title/Code		Fac & Oper Assure	Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget
Cost Acct. Mgr./Phone		JR Carey	1584			
		3-1468	1,768			
Funding Source:		☒ Operating Expense	☐ Line Item FY	☐ GPP FY	☐ Small Projects FY	☐ CENRTC FY
		☐ B&R Code				

2 Controlled Milestones		M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA
Ref. Sched. No.						

Type	Description	Date
0	Implement FSAR as required for PRF restart	01/15/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide Quality Assurance and Industrial Safety and Health Oversight resources (management, technical and clerical) for the PFP operational assurance program. review work packages, ECNs, drawing changes, procurement of safety class equipment, and plant operating procedures.

Provide direct support and field expertise for Industrial Safety and Health, ensure a safe and effective work environment, via inspection and consultation per WHC controlled manuals as required by OSHA standards.

Promote "Total Quality" through a quality engineering and quality control program to support WHC goals and objectives.

See Attachment

ADS Number	4170
Total CAP \$000	G & A/CSP \$000
1,284	305
1,399	369
Total CAA \$000	1,589
	1,768

4 Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/Project Control	JR Carey, R. Borisch	9/1/92	Program Administration	JR Carey	11/16/92
(2) End Function Manager	JR Carey (for M. Hase)	9/1/92	Cost Account Manager	JR Carey	11/19/92
(3) Activity Manager	JR Carey	9/1/92	Activity Manager	JR Carey	11/16/92
(4) Cost Acct. Manager	JR Carey	9/2/92	End Function Manager	JR Carey	11/15/92

1 Cost Account 1K6C04		CAA Title Configuration Control		COST ACCOUNT AUTHORIZATION				Activity Mgr. RR Borisch		Date 11/05/92
Resp. Org. Title/Code K6C Technical Support		PROGRAM/PROJECT PFP		Original Budget 6,024		Current Total Budget 6,357		Start		Rev.
Cost Acct. Mgr./Phone GA Glover		PFP Plant Enginrg. 15510		Original Budget (K\$)		Budget Prior Revision		Complete		Start
Cost Acct. Mgr./Phone GA Glover		3-3096		Original Budget (K\$)		Budget Prior Revision		Complete		Start
Funding Source: ☒ Operating Expense		Line Item FY		GPP FY		Small Projects FY		CENRTC FY		BAR Code
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA
Type		Description		Date		Ref. Sched. No.				
0	Prepare and issue at least 10 Engineering Change Notices per month to maintain operational plant systems.	Monthly								
0	Complete field verification (as-built) of essential and support drawings identified in WHC-SD-CP-TI-125.	08/01/93								
0	Prepare shift technical advisor phase II training module	02/01/93								
0	Complete plan for rebalancing PFP HWAG System	05/01/93								
0	Update the PFP Safety & Risk Assessment (SD-SQA-TI-013) Seismic Documentation	03/01/93								
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)										
Provide engineering support to ensure Configuration Control of PFP Plant Systems required by Facility Safety Analysis Report and WHC-CM-5-8. Specific actions should include:										
1. Completion of the Engineering Drawing As-Built effort as defined by Restart Program Plan WHC-SP-0859.										
2. Provide design engineering services to the plant as required to ensure operability of plant system;										
3. Provide cognizant engineering to PFP facility systems;										
See Attachment										
4 Distribution										
(1) Program Administration/Project Control		Title		Authority to Initiate Planning		Date		Title		Date
(2) End Function Manager		Activity Manager		P. M. Borisch		9/1/92		Program Administration		11/10/92
(3) Activity Manager		End Function Manager		G. M. Borisch		9/1/92		Cost Account Manager		11/1/92
(4) Cost Acct. Manager		Cost Account Manager		P. M. Borisch		9/1/92		Activity Manager		11/6/92
		Program Administration		P. M. Borisch		9/2/92		End Function Manager		11/5/92

1K6C04 - Description (Cont'd)

4. Provide technical training for PFP engineers, to include Standard Engineering Practices and other applicable company policies; maintain configuration control for the facility in accordance with Engineering Practices (WHC-CM-6-1). This scope does not include implementation of the draft DOE Order concerning configuration control which is scheduled to be approved FY 1993; ~~provide engineering analysis and contractors necessary to rebalance the HVAC system at the PFP; provide engineering with necessary contract support to resolve issues associated with continued use of self contained HEPA filters and update Safety & Risk Assessment for the PFP. (SD-SQA-TI-013).~~

Believe Documentation

1 Cost Account 1K6C05		CAA Title Facility Constr. Support		COST ACCOUNT AUTHORIZATION		Activity Mgr. RR Borisch		Date 11/05/92																															
Resp. Org. Title/Code PFP Sys. & Tech. 15550		K6C Technical Support		PROGRAM/PROJECT PFP		Original		Rev.																															
Cost Acct. Mgr./Phone RD Keck 3-3012		Original Budget (K\$) 2,109		Budget Prior Revision		Current Total Budget		Start Complete																															
Funding Source: ☐ Operating Expense ☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CERRTC FY		B&R Code																															
2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA		Description Type		Date		Ref. Sched. No.																																	
0		Complete 236-Z room 15 crack repair		01/08/93																																			
0		Complete engineering study of PFP septic system options		03/18/93																																			
0		Complete conversion of room 211-6 to material storage		12/18/92																																			
0		Complete engineering study of maintenance space upgrades		09/30/93																																			
0		Complete engineering study of RADTU upgrades		09/30/93																																			
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)		<p>This account provides for expense funded portions of Capital Projects and expense funded projects. As such it provides contractor interface, technical direction, NEPA/safety document and expense construction funds for PFP construction activities, plus building administrator, safeguards and security cognizant engineer, and management.</p> <p>More specifically tasks to be covered herein include:</p> <p>Contractor construction interface including coordination of construction activities with plant activities and personnel for safe, efficient plant upgrades. See Attachment</p>																																					
4 Distribution		<table border="1"> <tr> <td>ADS Number</td> <td>4170</td> <td>Total CAP \$000</td> <td>1,768</td> <td>G & A/CSP \$000</td> <td>341</td> <td>Total CAA \$000</td> <td>2,109</td> </tr> <tr> <td></td> <td></td> <td></td> <td>912</td> <td></td> <td>255</td> <td></td> <td>1,167</td> </tr> </table>								ADS Number	4170	Total CAP \$000	1,768	G & A/CSP \$000	341	Total CAA \$000	2,109				912		255		1,167														
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			912		255		1,167																																
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Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date																																		
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(3) Activity Manager			Activity Manager	William Green	11/16/92																																		
(4) Cost Acct. Manager	R. Bodner	9/2/92	End Function Manager	William Green	11/15/92																																		

1K6C05 - Description (Cont'd)

Provide expense funded staff for capital projects determined by property accounting. Expense construction efforts including 236-Z crack repair, 291-Z stairway replacement, and septic repairs as directed by Plant management. Provide project management of expense construction efforts, NEPA and Safety documentation for expense funded projects initial screening of plant requirements to determine scope and probable funding source for candidate projects.

Provide engineering studies and technical direction for expense funded upgrades including Maintenance Space Upgrades, RADTU upgrades, and septic system repairs and upgrades.

Coordination of PFP plans and activities with site long range plans and mission and, building administrators for 231-Z and 270-Z.

1	Cost Account 1K6D01	CAA Title Corrective Maintenance Activity Title K6D Maintenance	COST ACCOUNT AUTHORIZATION				Activity Mgr. CA Meidrom	Date 11/05/92
		PROGRAM/PROJECT PFP	Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete
Resp. Org. Title/Code PFP Maintenance 14200			4811					
Cost Acct. Mgr./Phone EM LaRock 3-5748			2,751				10/01/92	09/30/93

Funding Source: ☒ Operating Expense ☐ Live Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2. Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA Ref. Sched. No.

Type	Description	Date

3. Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide all corrective maintenance resources for PFP general facilities and laboratories. All maintenance to be performed in accordance with and as directed by Maintenance Implementation Plan, WHC-Sp-0841 and DOE Order 4330.4A.

1. Provide trained craft and supervisory resources for maintenance of PFP general facilities and laboratories. Systems requiring resources include all plant services i.e., HVAC, dry and instrument air, electrical and water systems.
2. Provide necessary support to asbestos and insulating needs including encapsulation and installation needs.

See Attachment		Approvals			
Distribution	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(1) Program Administration/ Project Control	Activity Manager	W. J. Meidrom	9/1/92	Program Administration	W. J. Meidrom
(2) End Function Manager	End Function Manager	W. J. Meidrom	9/2/92	Cost Account Manager	W. J. Meidrom
(3) Activity Manager	Cost Account Manager	W. J. Meidrom	9/2/92	Activity Manager	W. J. Meidrom
(4) Cost Acct. Manager	Program Administration	W. J. Meidrom	9/2/92	End Function Manager	W. J. Meidrom

1K6D01 - Description (Cont'd)

3. Provide resources for PFP painting needs and sign painting needs as required for facility upkeep and labeling. These requirements should be based on Conduct of Operations and Conduct of Maintenance standards.
4. Provide materials to support all PFP facility and laboratory maintenance.

Provide necessary resources for completion of all schedule preventive maintenance activities. This support is required to meet PFP FSAR requirements and cognizant engineer and manufacturer recommendations.

Provide funding for all material required for maintenance.

1 Cost Account 1K6D02		CAA Title ☒ Predictive Maintenance Activity Title K5D Maintenance		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT PFP								Activity Mgr. CA Meldrom		Date 11/05/92 08/24/92	
Resp. Org. Title/Code PFP Maintenance 14200		EM LaRock		Original Budget (K\$) 2,045		Budget Prior Revision		Changes This Revision		Current Total Budget		Start	Complete	Start	Complete
Cost Acct. Mgr./Phone EM LaRock 3-5748				2,188								10/01/92		09/30/93	
Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY B&R Code _____															
2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Weatherhouse Key O = Other T = TPA Ref. Sched. No. _____															
Type	Description														
0	Develop all Safety Envelope and Safety Related preventive maintenance procedures.														
0	Maintain a maximum 3% delinquency rate on preventive maintenance activities Monthly														
3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (capital justification)															
Provide craft, supervisory, engineering, and clerical resources to develop, maintain and perform preventive maintenance activities on PFP General Facility and Laboratories. Perform all maintenance in accordance with and as directed by Maintenance Implementation Plan, WHC-SP-0841 and DOE Order 4330.4A, including: 1. Perform all preventive maintenance activities for PFP general facilities and laboratories as scheduled and required by the PFP FSAR, cognizant engineer, and manufacturer recommendations.															
2. Provide in-house maintenance engineering services for PFP including technical assistance and procedure development. This service also includes predictive maintenance needs. Maintain all preventive maintenance procedures to requirements of facility FSAR.															
4 Distribution Approvals															
Distribution		Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date								
(1) Program Administration/ Project Control	Activity Manager	C. J. [Signature]	9/1/92	Program Administration	P.M. [Signature]	11/10/92									
(2) End Function Manager	End Function Manager	[Signature]	9/2/92	Cost Account Manager	[Signature]	11/6/92									
(3) Activity Manager	Cost Account Manager	[Signature]	9/2/92	Activity Manager	[Signature]	11/9/92									
(4) Cost Acct. Manager	Program Administration	P.M. [Signature]	9/2/92	End Function Manager	[Signature]	11/5/92									
ADS Number		4170		Total CAP \$000	G & A/CSP \$000	Total CAA \$000									
1617		428		2045											
1,412		396		1,808											

1 Cost Account 1K6D03		CAA Title General Maintenance		COST ACCOUNT AUTHORIZATION		Activity Mgr. CA Meldrom		Date 11/05/92	
Resp. Org. Title/Code PFP Maintenance 14200		Activity Title K6D Maintenance		PROGRAM/PROJECT PFP		Original		Rev.	
Cost Acct. Mgr./Phone EM LaRock 3-5748		Original Budget (K\$) 5,703		Budget Prior Revision		Current Total Budget		Start Complete	
Funding Source: ☒ Operating Expense ☐ Line Item FY		Original Budget (K\$) 5,703		Budget Prior Revision		Current Total Budget		Start Complete	
10/01/9209/01/93		10/01/9209/01/93		10/01/9209/01/93		10/01/9209/01/93		10/01/9209/01/93	
B&R Code		CENRTC FY		Small Projects FY		GPP FY		B&R Code	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type		Description		Date	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provide for outside maintenance resources require to supplement Plant maintenance forces. Services include:

Maintenance resources purchased from non-PFP maintenance organizations.

All fabrication and shop support needs not available at PFP; Vent and Balance resources for DOS testing of filters, PFP building ventilation balancing, flow measurements; all custodial services for PFP; carpenter, glazer, riggers for erecting scaffolding and essential lifting of equipment; Maintenance Engineering System for procedure development recall systems; Hanford Fire Department services for fire systems inspection and maintenance including HALON systems; PNL continuous air monitor calibrations; and IRM and EUC support for PFP computer maintenance.

4 Distribution		Approvals	
(1) Program Administration/ Project Control (2) End Function Manager (3) Activity Manager (4) Cost Acct. Manager		Title Activity Manager End Function Manager Cost Account Manager Program Administration	
		Authority to Initiate Planning Date 9/1/92 9/2/92 1/2/92	
		Title Program Administration Cost Account Manager Activity Manager End Function Manager	
		Date 11/16/92 11/6/92 11/1/92 11/5/92	

1 Cost Account 1K6E02		CAA Title Mtl Control/Plang Mgmt		COST ACCOUNT AUTHORIZATION		Activity Mgr. MD Talbot		Date 08/25/92	
Resp. Org. Title/Code Materials & Plng. 15220		PROGRAM/PROJECT PFP		Original		Start		Complete	
Cost Acct. Mgr./Phone SR Douglass 3-3049		Original Budget (K\$) 1,521		Budget Prior Revision		Changes This Revision		Current Total Budget	
Funding Source: ☒ Operating Expense		Line Item FY		GPP FY		Small Projects FY		CENRTC FY	
M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Mtl Control/Plang Mgmt		15220		10/01/92		09/30/93		B&R Code	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Type		Description		Date		Monthly		Monthly		Monthly	
0		Plan a minimum of 50 work control packages per month at 15 man-hours per package.									
0		Prepare a minimum of 100 material order documents (Purchase Requisitions, Store Orders, Spare parts orders) per month at 5 man-hours per document.									

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)		ADS Number		4170		Total CAP \$000		Total CAA \$000	
Provide pre-procurement planning, ordering, receiving, staging, issuance and inventory management of materials, parts and components required to maintain or upgrade the material condition of the PFP such that the purpose and scope of the PFP material Stabilization Program Plan are met. Plan all PFP Maintenance or modification work packages to ensure the work packages comply with the requirements of WHC-CM-8-8, Job Control System, which implements applicable requirements of DOE Order 5480.19, Conduct of Operations and DOE Order 4330.4A, Conduct of Maintenance. Ensure that adequate materials, tools and consumables and planned work packages are available to support PFP Operations and Maintenance such that the PFP can be operated reliably in a safe, secure, compliant and environmentally sound manner.		Total CAP \$000		1,203		318		1,521	
		Total CAA \$000		1,280		358		1,638	

4 Distribution		Approvals	
(1) Program Administration/Project Control		Title	
(2) End Function Manager		Authority to Initiate Planning	
(3) Activity Manager		Date	
(4) Cost Acct. Manager		Title	
		Date	
		Cost Account/Work Author Approval	
		Date	
		Program Administration	
		Cost Account Manager	
		Activity Manager	
		End Function Manager	

1 Cost Account 1K6E03		CAA Title Spares Inventory Control Activity Title K6E Work Control	COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT PFP				Activity Mgr. MD Talbot	Date 11/05/92 08/25/92	
Resp. Org. Title/Code Materials & Png. 15220		Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete	Start	Complete
Cost Acct. Mgr./Phone SR Douglass 3-3049		639 711				10/01/92	09/30/93		

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CERTC FY ☐ B&R Code	
2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA	

Type	Description	Date

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide management and control of spare parts inventory for PFP. Provide control of spare parts inventory including management of maximum/minimum levels and material specification compliance to meet the scope and purpose of WHC-SP-0859, PFP Material Stabilization Program plan.

4 Distribution		Approvals			
(1) Program Administration/ Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(2) End Function Manager	Activity Manager	MD Talbot	9/1/92	Program Administration	MD Talbot 11/16/92
(3) Activity Manager	End Function Manager	MD Talbot (FPM, DOE)	9/1/92	Cost Account Manager	MD Talbot 11/16/92
(4) Cost Acct. Manager	Cost Account Manager	MD Talbot	9/1/92	Activity Manager	MD Talbot 11/16/92
	Program Administration	MD Talbot	9/1/92	End Function Manager	MD Talbot 11/16/92

ADS Number	4170		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
539	100	639	
555	156	711	

1 Cost Account 1K6E04		CAA Title Spares Inventory Change K6E Work Control		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT PFP		Activity Mgr. MD Talbot		Date 11/05/92
Resp. Org. Title/Code Materials & Plng. 15220		Original Budget (K\$) 70 269		Current Total Budget		Start		Complete
Cost Acct. Mgr./Phone SR Douglass 3-3049		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Start
Funding Source: ☒ Operating Expense ☐ Line Item FY		Original Budget (K\$)		Budget Prior Revision		Changes This Revision		Start
10/01/92		10/01/92		10/01/92		10/01/92		10/01/92

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.		CENRTC FY		Small Projects FY		GPP FY		B&R Code			

Type		Description	

3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (capital justification)	
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Net Change in Inventory:	
Provides funding to maintain the Net Change In Inventory to assure that spare parts are available for replacements. Includes escalation to replace issued parts at 1993 prices.	

ADS Number		4170	
Total CAP \$000		G & A/CSP \$000	
Total CAA \$000		Total CAA \$000	
90 259		0 90 259	

4 Distribution		Approvals			
(1) Program Administration/Project Control		Title	Authority to Initiate Planning	Date	Title
(2) End Function Manager		Activity Manager	MD Talbot	9/1/92	Program Administration
(3) Activity Manager		End Function Manager	MD Talbot	9/1/92	Cost Account Manager
(4) Cost Acct. Manager		Cost Account Manager	MD Talbot	9/1/92	Activity Manager
		Program Administration	MD Talbot	9/2/92	End Function Manager

1 Cost Account 1K6E05		CAA Title Job Control K6E Work Control	COST ACCOUNT AUTHORIZATION				Activity Mgr. MD Talbot	Date 11/05/92 08/25/92
Resp. Org. Title/Code Outage/PM Planning 15210		PROGRAM/PROJECT PFP	Original Budget (K\$) 1,052	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete
Cost Acct. Mgr./Phone TL Erickson 3-2227							10/01/92	09/30/93

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Westinghouse Key O = Other T = TPA

Type	Description	Date
0	Input PFP SAR, WHC-SD-CP-SAR-021, Rev 0, OSR Surveillance requirements to the Preventative Maintenance module as the technical detail of the requirements defined	01/20/93
0	Implement the preventive maintenance and surveillance module per WHC-SP-0841 Maintenance Implementation Plan for the PFP, section 6.0, activity 4.6	01/06/93

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide staff and funding to operate the PFP Job Control System, including work package assembly and tracking, operation of the Work Control Center, performance measurements and maintenance/surveillance related procedure control. Implementation of the PFP SAR compliance program through the recall of OSR surveillance activities to ensure PFP operates within the configuration defined by the SAR. Operate the Job Control System Preventive Maintenance and Surveillance module as required by the PFP Maintenance Implementation Plan in the areas of Master Component Index development and Preventive Maintenance/Surveillance implementation. Provide support to PFP work control through Job Control System operation such that PFP is operated and maintained within work control related requirements contained in WHC-CH-8-8, DOE Orders 4330.4A, Conduct of Maintenance 5480.19, Conduct of Operations and the SAR.

Distribution		Approvals			
	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(1) Program Administration/Project Control	Activity Manager	MD Talbot	9/1/92	Program Administration	MD Talbot
(2) End Function Manager	End Function Manager	MD Talbot (For M. Erickson)	9/1/92	Cost Account Manager	MD Talbot
(3) Activity Manager	Cost Account Manager	MD Talbot	9/1/92	Activity Manager	MD Talbot
(4) Cost Acct. Manager	Program Administration	MD Talbot	7/2/92	End Function Manager	MD Talbot

1 Cost Account 1K6F01		CAA Title Scrap Stabilization Ops. Activity Title K6F Reactive Matl Mgmt		COST ACCOUNT AUTHORIZATION PROGRAM/PROJECT PFP		Activity Mgr. EM Benson		Date 08/24/92
Resp. Org. Title/Code Environ. Waste Ops. 15370		Original Budget (K \$)		Budget Prior Revision		Current Total Budget		Rev.
Cost Acct. Mgr./Phone WD Bartlett 3-2541		601 452				Start		Complete
Funding Source: ☒ Operating Expense ☐ Line Item FY		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other
T = TPA		Small Projects FY		GPP FY		B&R Code		

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Type	Description	Date									
0	Complete preparations to restart Glovebox HC-60 for Scrap Stabilization	08/31/93									
0	Restart Glovebox HC-60 for Scrap Stabilization	09/30/93									
0	Train and certify all Nuclear Process Operators to Glovebox HC-60 operations procedures	03/31/93									

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide reactive scrap stabilization processes in hoods and gloveboxes in addition to PRF, per WMC-SP-0859, PFP Stabilization Program Plan.

Provide for scrap stabilization process in hoods and gloveboxes.

Train and certify Scrap Stabilization Operators to new HC-60 Operating Procedures.

Provide operational control & performance of scrap stabilization activities.

See Attachment

ADS Number	4170		
Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
475	126	601	
353	99	452	

4 Distribution		Approvals			
Title		Authority to Initiate Planning		Date	Title
Activity Manager		[Signature]		9/1/92	Program Administration
End Function Manager		[Signature] (En. M. Bartlett)		9/1/92	Cost Account Manager
Cost Account Manager		[Signature]		9/1/92	Activity Manager
Program Administration		[Signature]		9/2/92	End Function Manager
(1) Program Administration/Project Control		Cost Account/Work Author Approval		Date	
(2) End Function Manager		[Signature]		11/10/92	
(3) Activity Manager		[Signature]		11/10/92	
(4) Cost Acct. Manager		[Signature]		11/10/92	

1K6F01 - Description (Cont'd)

Provide operational surveillance, processing, and initial waste handling operations.

Complete technical upgrades and Operational Readiness Review on HC-60 organic hydrolysis process.

1 Cost Account 1K6F02	CAA Title Conv to Nitric Ops	1 COST ACCOUNT AUTHORIZATION		Activity Mgr. EM Benson	Date 11/03/92
	Activity Title K6F Reactive Matl Mgmt	PROGRAM/PROJECT PFP		Original	Rev.
Resp. Org. Title/Code PFP/PRF Operations 15320		Original Budget (K\$) 18,320	Budget Prior Revision	Current Total Budget	
Cost Acct. Mgr./Phone GB Chronister 3-4160		18,320		Start	Complete
		9,593		10/01/92	09/30/93
Funding Source: ☒ Operating Expense ☐ Line Item FY		☐ GPP FY ☐ Small Projects FY		CENRTC FY	B&R Code

2 Controlled Milestones	M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA
Ref. Sched. No.					
Type	Description				
0	Initiate "Hot" Operations of the Plutonium Reclamation Facility within 30 days of DOE approval for restart. TBD				
0	Initiate the Safeguard Inventory Audit, six weeks after PRF restart. TBD				
0	Initiate Integrate Process Systems Checkout of PRF. 11/30/93				
0	Initiate hands on training in organic cleanup & solvent extraction. 10/05/92				
0	Initiate planning for equipment modifications to enable restart of the RMC Oxide Conversion Line. 09/01/93				
0	Complete PRF Training Run Plan. 01/15/93				

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide for operations of the Plutonium Reclamation Facility (236-Z) for the conversion of reactive scrap to nitrate five days/week on W, X, Y, Z shift coverage, as required by the PRF Training Run Plan, WMC-SD-CP-IP-073.

This includes materials for the conversions of reactive scrap to nitrate in the PRF.

1. Provide for the processing and initial waste handling operations for the PRF.	ADS Number	4170	
	Total CAP \$000	G & A/CSP \$000	Total CAA \$000
	7,785	2,047	9,832
	7,495	2,098	9,593

See Attachment

Distribution		Approvals			
	Title	Authority to Initiate Planning	Date	Title	Date
(1) Program Administration/Project Control	Activity Manager	<i>[Signature]</i>	9/1/92	Program Administration	11/10/92
(2) End Function Manager	End Function Manager	<i>[Signature]</i>	9/1/92	Cost Account Manager	11/10/92
(3) Activity Manager	Cost Account Manager	<i>[Signature]</i>	9/1/92	Activity Manager	11/10/92
(4) Cost Acct. Manager	Program Administration	<i>[Signature]</i>	9/2/92	End Function Manager	11/15/92

1K6F02 - Description (Cont'd)

2. Provide Nuclear Operator, management and exempt staff coverage for operation of the following Plutonium Reclamation Facility (PRF) process:
 1. Aqueous Waste Handling
 2. Load in - Load out
 3. Product Concentration
 4. Organic cleanup
 5. Solvent extraction
 6. Fuel Preparation
3. Maintain an adequate supply of consumable operating supplies and protective equipment for the conversion process.
4. Provide the operation of the plastic fabrication shop for the production of control enclosures as needed to support operation and maintenance activities
5. PPSL support for nitrate conversion and process troubleshooting.

1 Cost Account 1K6F05		CAA Title Process Area Maintenance		COST ACCOUNT AUTHORIZATION		Activity Mgr. EM Benson		Date 11/05/92 08/25/92	
Resp. Org. Title/Code K6F Reactive Matl Mgmt		PROGRAM/PROJECT PFP				Original		Rev.	
pFP Maintenance 14200		Original Budget (K\$) 1,730		Changes This Revision		Current Total Budget		Complete	
Cost Acct. Mgr./Phone EM Larock 3-5748		Budget Prior Revision				Start		Complete	
Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code		Original Budget (K\$) 1,730				10/01/92		10/30/93	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
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Type	Description	Date
0	Maintain a maximum preventative maintenance delinquency rate of 3 percent.	Monthly
0	Provide a minimum of 1900 man-hours monthly for corrective maintenance	Monthly

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide necessary resources to perform maintenance for PRF and RMC in accordance with WMC-SP-0841, Maintenance Improvement, Plant, and DOE Order 4330.3A.

1. Provide instrument, electrical and mechanical X, Y, Z, shift maintenance coverage for operational as listed below.
2. Provide resources to perform preventive maintenance activities required by PFP FSAR and cognizant engineer and manufacturer recommendations for PRF, RMC, laboratories and balance of plant.

See Attachment

Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/ Project Control	<i>[Signature]</i>	9/1/92	Program Administration	<i>[Signature]</i>	11/10/92
(2) End Function Manager	<i>[Signature]</i>	9/1/92	Cost Account Manager	<i>[Signature]</i>	11/6/92
(3) Activity Manager	<i>[Signature]</i>	9/1/92	Activity Manager	<i>[Signature]</i>	11/10/92
(4) Cost Acct. Manager	<i>[Signature]</i>	9/1/92	End Function Manager	<i>[Signature]</i>	11/5/92

1K6F05 - Description (Cont'd)

3. Provide all required materials necessary to complete maintenance activities.
4. Provide all additional maintenance resources required to provide safe and efficient operations as required in DOE Order 4330.3A.

1 Cost Account		CAA Title Process QA & Tech. Sprrt		COST ACCOUNT AUTHORIZATION		Activity Mgr. EM Benson		Date 11/05/92	
1K6F06		Activity Title K6F Reactive Matl Mgmt		PROGRAM/PROJECT PFP		Original		Rev.	
Resp. Org. Title/Code		PFP Process Control 15530		Original Budget		Changes This Revision		Current Total Budget	
Cost Acct. Mgr./Phone		MW Gibson 3-4864		Original Budget (K \$) 4,818		Budget Prior Revision		Start Complete	
Funding Source:		☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY	
M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.		Ref. Sched. No.		Ref. Sched. No.		Ref. Sched. No.		Ref. Sched. No.		Ref. Sched. No.	

Type	Description	Date
0	Issue Test Plan for HA-211 Furnace Testing	11/09/92
0	Update PRF Process Control Plan document	01/15/93
0	Complete PRF Operating Document Upgrades	01/15/93
0	Complete support of PRF ORR Affidavit process	01/15/93
0	Complete PRF Stabilization Run initial phase to allow inventory to MBA 212	03/08/93
0	Issue updated HC-60 Operating Documents	09/30/93
0	Issue PRF Campaign Report	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide Cognizant Engineers for the PRF, RMC Line, and Scrap Stabilization Processes, and adequate personnel for engineering involvement in restart activities (including ORRs), maintenance outages and day-to-day technical problem solving an dprocess control during campaigns (WHC-SP-0859, WHC-SD-CP-TP-073), WHC-CM-5-8). Provide Engineering laboratory analytical services to stabilization campaign. Provide Plutonium Process Support Laboratory process development, resolution of chemistry problems, and speical analytical services not available in the Engineering Laboratory to support PRF operation. Provide Engineering overview personnel during maintenance outages and Shift Engineering/Shift Technical Advisor during operating process campaigns per WHC-CM-5-8. See Attachment

Distribution	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/Project Control			Activity Manager		
(2) End Function Manager		9/1/92	Program Administration		11/10/92
(3) Activity Manager		9/1/92	Cost Account Manager		11/10/92
(4) Cost Acct. Manager		9/1/92	Activity Manager		11/10/92
		9/2/92	End Function Manager		11/10/92

1K6F06 - Description (Cont'd)

Provide Safety Analysis Report (SAR) coordination and technical advice and analyses for updates of existing documentation, for the review/approval process for the draft FSAR, and for periodic updates after approval. Provide the PFP Task Analyst for operating procedure preparation and changes per WHC-CM-5-8. Provide the Verification Control Authority for the PISCES System per WHC-CM-5-8. Provide engineering liaison to DOE Plutonium Discard Limit Studies per DOE request.

1K6G01 - Description (Cont'd)

3. Perform facility operational surveillances according to the requirements of WHC-CM-5-8, Plutonium Finishing Plant Administration.
4. Perform materials handling, initial waste handling and required housekeeping of 2736-Z complex.

1 Cost Account 1K6G03		CAA Title Storage/Shipping Maint.	COST ACCOUNT AUTHORIZATION		Activity Mgr. M Haas	Date 11/05/92
Resp. Org. Title/Code Nuclear Mtrl. Storage		PROGRAM/PROJECT PFP	Original		Rev.	
Field Support		Original Budget (K\$)	Changes This Revision	Current Total Budget	Start	Complete
EM Larock		336 439			10/01/92	09/30/93
Cost Acct. Mgr./Phone		Funding Source:		CENRTC FY	B&R Code	
		☒ Operating Expense ☐ Line Item FY ☐ GPP FY ☐ Small Projects FY ☐ Ref. Sched. No.				

2 Controlled Milestones	M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA
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Type	Description	Date
0	Maintain a maximum 3% delinquency for preventive maintenance activities	Monthly
0	Provide a minimum of 230 manhours monthly for corrective maintenance support	Monthly

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide necessary craft and supervisory resources and materials to maintain PFP shipping, receiving and storage facilities. All maintenance to be performed in accordance with and as direct in by Maintenance Implementation Plan WHC-SP-0841 and DOE Order 4330.4A.

See Attachment	ADS Number	4170		
	Total CAP \$000	G & A/CSP \$000	Total CAA \$000	
	266 343	70 96	336 439	

4. Distribution		Approvals			
Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(1) Program Administration/ Project Control	<i>[Signature]</i>	9/1/92	Program Administration	<i>[Signature]</i>	11/10/92
(2) End Function Manager	<i>[Signature]</i>	9/1/92	Cost Account Manager	<i>[Signature]</i>	11/16/92
(3) Activity Manager	<i>[Signature]</i>	9/1/92	Activity Manager	<i>[Signature]</i>	11/15/92
(4) Cost Acct. Manager	<i>[Signature]</i>	9/2/92	End Function Manager	<i>[Signature]</i>	11/15/92

1K6G03 - Description (Cont'd)

Provide necessary resources for completion of all scheduled preventive maintenance activities. This support is required for PFP FSAR and cognizant engineer and manufacturer recommendations.

Provide funding for all material required for maintenance.

1 Cost Account 1K6G04		CAA Title Quality & Tech. Support		COST ACCOUNT AUTHORIZATION		Activity Mgr. M Haas		Date 11/05/92	
Resp. Org. Title/Code PFP Environ. Compl.		Activity Title Nuclear Mtrl. Storage		PROGRAM/PROJECT PFP		Original		Rev.	
Cost Acct. Mgr./Phone LA Garner		Original Budget (K\$) 876 934		Budget Prior Revision		Changes This Revision		Current Total Budget	
Funding Source: ☒ Operating Expense		☐ Line Item FY		☐ GPP FY		☐ Small Projects FY		☐ CERTRC FY	
M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other	
Type		Description		Date		Start		Complete	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Type		Description		Date		Start		Complete		Rev.	

0		Complete long-term SNM storage container study.		Date 09/30/93	
0		Submit quarterly Packaging Development Progress Report		Quartrly	
0		Complete 2736-2 Sesnie Analysis		03/31/93	

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)	
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Provide engineering direction for SNM storage, shipping, and receiving operations. Provide analytical laboratory services to include: Verification measurements upon receipt of SNM shipments, periodic inventory by NDA of SNM in storage, and characterization/inventory of SNM for shipment per 10CFR and 49CFR requirements.

4 Distribution		Title		Authority to Initiate Planning		Date		Title		Cost Account/Work Author Approval		Date	
(1) Program Administration/Project Control		Activity Manager		Bum (For M. Haas)		9/1/92		Program Administration		P. M. Borden		11/14/92	
(2) End Function Manager		End Function Manager		Bum (For M. Haas)		9/1/92		Cost Account Manager		P. M. Borden		11/14/92	
(3) Activity Manager		Cost Account Manager		P. M. Borden		9/1/92		Activity Manager		P. M. Borden		11/14/92	
(4) Cost Acct. Manager		Program Administration		P. M. Borden		9/1/92		End Function Manager		P. M. Borden		11/14/92	

4 Distribution		Title		Authority to Initiate Planning		Date		Title		Cost Account/Work Author Approval		Date	
(1) Program Administration/Project Control		Activity Manager		Bum (For M. Haas)		9/1/92		Program Administration		P. M. Borden		11/14/92	
(2) End Function Manager		End Function Manager		Bum (For M. Haas)		9/1/92		Cost Account Manager		P. M. Borden		11/14/92	
(3) Activity Manager		Cost Account Manager		P. M. Borden		9/1/92		Activity Manager		P. M. Borden		11/14/92	
(4) Cost Acct. Manager		Program Administration		P. M. Borden		9/1/92		End Function Manager		P. M. Borden		11/14/92	

1 Cost Account 1K6H01		CAA Title PEP PATROL ASSESSMENT		COST ACCOUNT AUTHORIZATION		Activity Mgr. MF RUSSELL		Date 11/03/92	
Activity Title SAFEGUARDS AND SECURITY		PROGRAM/PROJECT PLUTONIUM FINISHING PLANT		Original		Rev. 0			
Resp. Org. Title/Code HANFORD PATROL 51800		Original Budget (K\$) 8,485		Changes This Revision		Current Total Budget 8,485		Start	
Cost Acct. Mgr./Phone VG HEIMAN 3-1780		Budget Prior Revision		Small Projects FY		Complete		Start	
Funding Source: ☒ Operating Expense ☐ Line Item FY		☐ GPP FY		☐ CENRTC FY		B&R Code EW3020026			
2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		Ref. Sched. No.	
Type Level of Effort		Description		Date					
3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)									
Provide Hanford Patrol support to the Plutonium Finishing Plant (PFP) in accordance with DOE 5632.7, "Protective Forces," in the following areas:									
1) Prevent the theft, sabotage, diversion or unauthorized control of special nuclear material;									
2) Provide Protection Forces for facilities with the 200 West Area;									
3) Control access to 200 West Area facilities, the 200 West Protected Area, and the PFP; and									
4) Enforce county, state, and federal laws and statutes in the 200 West Area.									
4 Distribution		Approvals							
(1) Program Administration/Project Control		Title		Authority to Initiate Planning		Date		Cost Account/Work Author Approval	
(2) End Function Manager		Activity Manager		Activity Manager		Program Administration		Date	
(3) Activity Manager		End Function Manager		Cost Account Manager		Cost Account Manager		Date	
(4) Cost Acct. Manager		Cost Account Manager		Activity Manager		Activity Manager		Date	
		Program Administration		Program Administration		Program Administration		Date	
		Activity Manager		Activity Manager		Activity Manager		Date	
		End Function Manager		End Function Manager		End Function Manager		Date	
		Cost Account Manager		Cost Account Manager		Cost Account Manager		Date	
		Program Administration		Program Administration		Program Administration		Date	
		Activity Manager		Activity Manager		Activity Manager		Date	
		End Function Manager		End Function Manager		End Function Manager		Date	
		Cost Account Manager		Cost Account Manager		Cost Account Manager		Date	
		Program Administration		Program Administration		Program Administration		Date	
		Activity Manager		Activity Manager		Activity Manager		Date	
		End Function Manager		End Function Manager		End Function Manager		Date	
		Cost Account Manager		Cost Account Manager		Cost Account Manager		Date	
		Program Administration		Program Administration		Program Administration		Date	
		Activity Manager		Activity Manager		Activity Manager		Date	
		End Function Manager		End Function Manager		End Function Manager		Date	
		Cost Account Manager		Cost Account Manager		Cost Account Manager		Date	
		Program Administration		Program Administration		Program Administration		Date	
		Activity Manager		Activity Manager		Activity Manager		Date	
		End Function Manager		End Function Manager		End Function Manager		Date	
		Cost Account Manager		Cost Account Manager		Cost Account Manager		Date	
		Program Administration		Program Administration		Program Administration		Date	
		Activity Manager		Activity Manager		Activity Manager		Date	
		End Function Manager		End Function Manager		End Function Manager		Date	
		Cost Account Manager		Cost Account Manager		Cost Account Manager		Date	
		Program Administration		Program Administration		Program Administration		Date	
		Activity Manager		Activity Manager		Activity Manager		Date	
		End Function Manager		End Function Manager		End Function Manager		Date	
		Cost Account Manager		Cost Account Manager		Cost Account Manager		Date	
		Program Administration		Program Administration		Program Administration		Date	

1 Cost Account		CAA Title PFP SECURITY	COST ACCOUNT AUTHORIZATION		Activity Mgr. WF RUSSELL	Date 11/05/92
1K6H02		Activity Title SAFEGUARDS AND SECURITY	PROGRAM/PROJECT PLUTONIUM FINISHING PLANT		Original	Rev. 0
Resp. Org. Title/Code	SECURITY OPS NORTH 51170	Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start Complete
Cost Acct. Mgr./Phone	JW GIDEON 3-5031	1,939			1,965	10/01/92 09/30/93
Funding Source:		☒ Operating Expense	☐ Line Item FY	☐ GPP FY	☐ Small Projects FY	B&R Code EW3020026

2 Controlled Milestones	M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA
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Type	Description	Date
Other	Perform monthly preventative maintenance of security equipment.	Monthly
Other	Perform quarterly tests of security systems.	Qtrly

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide Security Operations North support to the Plutonium Finishing Plant (PFP), in the following areas:
1) Provide security threat analysis on a daily basis through testing and maintenance of security systems and programs;
2) Maintain security awareness and reduce security incident reports by conducting security education field awareness training where necessary; and
3) Provide a security system maintenance and engineering program to ensure security systems and related facilities are maintained in a ready-to-operable condition.

ADS Number	4170
Total CAP \$000	G & A/CSP \$000
1,535	404
	430
	1,939
	1,965

4	Distribution	Approvals			
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval
(2) End Function Manager	Activity Manager	W. J. Gideon	9-15-92	Program Administration	10-28-92
(3) Activity Manager	End Function Manager	W. J. Gideon	9-14-92	Cost Account Manager	7-9-92
(4) Cost Acct. Manager	Cost Account Manager	W. J. Gideon	9-9-92	Activity Manager	9-15-92
	Program Administration	W. J. Gideon	10-28-92	End Function Manager	9-14-92

1 Cost Account 1K6H03		CAA Title PPF SAFEGUARDS		COST ACCOUNT AUTHORIZATION		Activity Mgr. WF RUSSELL		Date 11/09/92	
Resp. Org Title/Code SAFEGUARDS		Activity Title SAFEGUARDS AND SECURITY		PROGRAM/PROJECT PLUTONIUM FINISHING PLANT		Original		Rev. 0	
Line Item BR FITZPATRICK 3-4119		51200		Original Budget (K\$) 1,126		Budget Prior Revision		Current Total Budget 1,453	
Cost Acct Mgr./Phone		51200		1,126		Changes This Revision		Start	
Funding Source:		Operating Expense		JPP FY		Small Projects FY		Complete	
CENRTC FY		B&R Code		EW3020026		Start		Complete	
Date		11/09/92		10/01/92		10/30/93		Start	
Rev.		0		1,453		1,453		Complete	

2 Controlled Milestones		M = Major DOE-HQ		K = Major DOE-RL		R = Westinghouse Key		O = Other		T = TPA	
Ref. Sched. No.											

Type	Description	Date
Other	Perform bi-monthly inventory of Special Nuclear Material.	Bi-Mthly
Other	Provide Monthly Status Reports for SNM inventories.	Monthly
Other	Consolidate accounting reports (HUD and HUC) for material accounting.	Monthly

3 Description/Instructions (scope, objectives, approach, constraints, further milestones definition) (capital justification)
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Provide Safeguards support to the Plutonium Finishing Plant (PFP), in the following areas:
1) General compliance with DOE orders for nuclear material control and accountability;
2) Operate systems for material accounting and reporting, and assist with material transfers and shipments;
3) Conduct MBA custodian training, and perform order required oversight and internal audits of MBA operations; and
4) Operate a TID procurement, accounting, and control program.

4 Distribution		Approvals			
Title		Authority to Initiate Planning		Date	
Activity Manager		9/15/92		10/28/92	
End Function Manager		9/14/92		9/8/92	
Cost Account Manager		9/8/92		9/10/92	
Program Administration		10-28-92		9/14/92	

1	Cost Account 1K6H04	CAA Title PFP VA/MSSA SAC	COST ACCOUNT AUTHORIZATION				Activity Mgr. WF RUSSELL	Date 11/05/92		
		Activity Title SAFEGUARDS AND SECURITY	PROGRAM/PROJECT PLUTONIUM FINISHING PLANT			Original	Rev. 0			
Resp. Org. Title/Code	SAC	51410	Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Start	Complete	Start	Complete
Cost Acct. Mgr./Phone	MR DUNCAN	6-6670	200 293			293	10/01/92	09/30/93		
Funding Source:	☒ Operating Expense	☐ Line Item FY	☐ GPP FY	☐ Small Projects FY	☐ CENRTC FY	B&R Code EW3020026				

2	Controlled Milestones	M = Major DOE-HQ	K = Major DOE-RL	R = Westinghouse Key	O = Other	T = TPA
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Type	Description	Date
Other	Complete PFP VA/MSSA update.	09/30/93
Other	Complete PFP MSSA verification.	01/30/93

3	Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)
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Provide Security Applications Center (SAC) support to the Plutonium Finishing Plant (PFP), in the following areas:

- 1) Complete the annual update to the PFP VA/MSSA as required by DOE order;
- 2) Complete the PFP MSSA verification as directed by DOE; and
- 3) Provide support to PFP for studies of SAS vulnerabilities and risk assessment.

ADS Number	4170	
Total CAP \$000	G & A/CSP \$000	Total CAA \$000
228	60	288
229	64	292

4	Distribution	Approvals				
(1) Program Administration/Project Control	Title	Authority to Initiate Planning	Date	Title	Cost Account/Work Author Approval	Date
(2) End Function Manager	Activity Manager	<i>[Signature]</i>	9/5/92	Program Administration	<i>[Signature]</i>	10-28-92
(3) Activity Manager	End Function Manager	<i>[Signature]</i>	9/14/92	Cost Account Manager	<i>[Signature]</i>	9/8/92
(4) Cost Acct. Manager	Cost Account Manager	<i>[Signature]</i>	9/8/92	Activity Manager	<i>[Signature]</i>	9/8/92
	Program Administration	<i>[Signature]</i>	10-28-92	End Function Manager	<i>[Signature]</i>	9/14/92

1 Cost Account 1K6H05	CAA Title Plant SAS Coordination	COST ACCOUNT AUTHORIZATION				Activity Mgr. WF Russe11	Date 11/03/92
	Activity Title Safeguards & Security	PROGRAM/PROJECT PFP	Original Budget (K\$)	Budget Prior Revision	Changes This Revision	Current Total Budget	Rev.
Resp. Org. Title/Code PFP Admin. & Training						Start	Complete
Cost Acct. Mgr./Phone AE Schilling			104 107			10/01/92	09/30/93

Funding Source: ☒ Operating Expense ☐ Line Item FY ☐ GPF FY ☐ Small Projects FY ☐ CENRTC FY ☐ B&R Code

2 Controlled Milestones M = Major DOE-HQ K = Major DOE-RL R = Weatherhouse Key Q = Other T = TPA

Type Level of Effort Description Date

3 Description/Instructions (scope, objectives, approach, constraints, further milestone definition) (capital justification)

Provide coordination and interface between PFP plant management and Safeguards and Security Organizations. Evaluate and interpret orders and regulations as they pertain to plant operations. Develop plans of action of implementation of orders required for corrective actions. Develop exception for Orders when required. Assist in the development of VA/MSSA. Perform as a Derivative Classifier in review of original writing. Perform as Activity Manager for the Safeguards and Security cost account program.

ADS Number	4170
Total CAP \$000	G & A/CSP \$000
82	104
84	107

4 Distribution

(1) Program Administration/Project Control	(2) End Function Manager	(3) Activity Manager	(4) Cost Acct. Manager
Title	Authority to Initiate Planning	Date	Title
Activity Manager	9-2-92	Program Administration	Cost Account/Work Author Approval
End Function Manager	9/2/92	Cost Account Manager	Date
Cost Account Manager	11/6/92	Activity Manager	11/5/92
Program Administration	9/2/92	End Function Manager	11-5-92

WBS / ADS / FDS
1.3.1.6 / 4170 / K6

PFP

Detailed Costs

FACILITY OPERATIONS - 1.3.1 FISCAL YEAR 1993 WORK PLAN

Listed on the following pages is a summary of approved Cost Account Authorizations (CAAs) issued to cost account managers to establish the budget baseline for FY 1993.

**FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN**

PFP - 1.3.1.6
Budget and Staffing Summary
(\$000's)

	<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
K6A01	Facility Operations	\$ 1,727	17.9
K6A02	Facility Ventilation & Power	1,344	15.8
K6A03	Health and Safety Routines	3,559	31.8
K6A04	Solid Waste Handling	1,893	22.5
K6A05	Operations Administration	1,600	16.0
K6A06	HAZMAT Waste Control	395	4.0
	K6A - Facility Operations	10,518	108.0
K6B01	Plant Management	1,025	11.0
K6B02	Base Assessments	11,627	0.0
K6B03	Environmental Assessments	3,008	0.0
K6B04	Operational Assurance	458	4.0
K6B05	Training Management	794	1.0
K6B06	Plant Administration	1,414	18.5
K6B08	Readiness Review Board	720	1.2
K6B09	PRF Restart Program	5,446	23.7

**FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN**

PFP - 1.3.1.6
Budget and Staffing Summary
(\$000's)

<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
K6B - Facility Administration	24,492	59.4
K6C01 Technical Support	2,212	22.5
K6C02 Environmental Compliance	1,271	11.0
K6C03 General Facility Support	1,589	10.8
K6C04 Configuration Control	6,024	58.5
K6C05 Facility Construction Support	2,109	11.4
K6C - Facility Technical Support	13,205	114.2
K6D01 Corrective Maintenance	4,811	44.8
K6D02 Predictive Maintenance	2,045	23.0
K6D03 General Maintenance Support	4,707	35.4
K6D - Maintenance	11,563	103.2
K6E01 Outage/Operations Planning	365	4.0
K6E02 Material Management	1,521	17.7

FACILITY OPERATIONS - 1.3.1
FISCAL YEAR 1993 WORKPLAN

PFP - 1.3.1.6
Budget and Staffing Summary
(\$000's)

	<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FIES</u>
K6E03	Spares Inventory Control	639	4.8
K6E04	Spares Inventory Change	90	0.0
K6E05	Job Control	1,145	14.4
	K6E - Work Control	3,760	40.9
K6F01	Scrap Stabilization Operations	601	7.0
K6F02	Conversion to Nitrate OP's	9,832	104.5
K6F05	Process Area Maintenance	1,680	17.4
K6F06	Process Quality & Tech Support	4,931	47.6
	K6F - Reactive Material Management	17,044	176.5
K6G01	SNM Safe Storage	1,190	11.6
K6G03	Storage/Shipping Maintenance	336	2.8
K6G04	Quality & Technical Support	896	6.6

FACILITY OPERATIONS - 1.3.1 FISCAL YEAR 1993 WORKPLAN

PFP - 1.3.1.6
Budget and Staffing Summary
(\$000's)

	<u>COST ACCOUNT/ACTIVITY TITLE</u>	<u>Budget</u>	<u>FTEs</u>
	K6G - Nuclear Material Storage	2,422	21.0
K6H01	Patrol	8,457	68.0
K6H02	Security Operations	1,939	16.4
K6H03	Safeguards	1,426	10.4
K6H04	MSSA	288	2.0
K6H05	Security Activity Manager	104	1.0
	K6H - Safeguards & Security	12,220	97.8
K6W0A	Change Request FO-93-001 Balance Account	<7,339>	<35.2>
	TOTAL - PFP Operations	\$ 87,885	685.8

**WBS / ADS / FDS
1.3.1.6 / 4170 / K6**

PFP

Milestone Description Sheets

Facility Operations MILESTONE DESCRIPTION SHEET

Title COMPLETE DEFINITIVE DESIGN PFP LOW LEVEL WASTE TREATMENT FACILITY (B-680H) FY 1990 HEC LINE ITEM (M-17-16C)		Date 08/26/92
Assigned To EC VOGT		CIN
Program WBS Designator 1.3.1.6 1K6		Completion Date 12/31/92
Number		Revision

MILESTONE CLASS: ☒ TPA ☐ DOE-HQ ☐ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☐ DOE ☐ RCRA ☒ TPA Driver: M-17-16C	DELIVERABLE: ☐ Report ☒ Letter ☐ Drawings ☐ Other (specify)	ADDRESS TO: ☐ DOE-HQ ☐ DOE-RL ☒ Other (specify) Ecology
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Description and what constitutes completion of this commitment:

Project B-680H provides two systems for controlling containments in the PFP wastewater discharge to the Z-20 Crib. The project installs a closed-loop cooling system to do the following: 1) reduce the major radionuclide source potential, and 2) reduce the volume of wastewater requiring waste treatment processing. The project then installs a wastewater treatment facility for controlling the remaining contaminants that will be discharged to the Z-20 Crib. The facility will be smaller in size than would be required without the closed loop cooling system. This project reduces the volume of wastewater discharge from the PFP by approximately 80%, resulting in an effluent of 20-30 gpm.

WHC will submit the Definitive Deisgn to the EPA and Ecology as a primary document.

Cost Account Manager LA Garner <i>LA Garner</i> 11/9/92	Program/Project Manager M. Haas <i>M. Haas</i> 11/6/92
Activity Manager CM Kronvall <i>CM Kronvall</i> 11/6/92	DOE Monitor SS Clark
Milestone Complete Date	11/9/92

Facility Operations MILESTONE DESCRIPTION SHEET

Title COMPLETE DECLARATION OF READINESS FOR PRF RESTART	Date 08/26/92
Assigned To EC Vogt	CIN
Program WBS Designator 1.3.1.6 1K6	Completion Date 01/20/93
Number	Revision

MILESTONE CLASS: ☐ TPA ☒ DOE-HQ ☐ DOE-RL ☐ WHC Key ☐ PM	SOURCE/DRIVER: ☐ State ☐ Federal ☒ DOE ☐ RCRA ☐ TPA Driver:	DELIVERABLE: ☐ Report ☒ Letter ☐ Drawings ☒ Other (specify) see description	ADDRESS TO: ☐ DOE-HQ ☒ DOE-RL ☐ Other (specify)
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Description and what constitutes completion of this commitment:

Complete the Operations Readiness Review for resumption of the Plutonium Reclamation Facility (PRF) activities. WHC will submit a letter to DOE declaring readiness to resume PRF operations. Actual restart of the facility will be dependant on timeliness, duration, and extent of external reviews.

Cost Account Manager EC Vogt	Date 11/7/92	Program/Project Manager M. Haas	Date 11/6/92
Activity Manager AE Schilling	Date 11/6/92	DOE Monitor SS Clark	Date
Milestone Complete	Date	08/27/92	

**WBS / ADS / FDS
1.3.1.6 / 4170 / K6**

PFP

1993 Master Program Schedule