RCRA and Operational Monitoring (ROM)

Multi-Year Program Plan & Fiscal Year 95 Work Plan

WBS 1.5.3

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**Westinghouse
Hanford Company**

P.O. Box 1970
Richland, Washington

Hanford Operations and Engineering Contractor for the
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Approved for Public Release

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U.S. Department of Energy
Richland Field Office

Westinghouse Hanford Company
RCRA & Operational Monitoring
FY 1995 Multi-Year Program Plan

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U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
MANAGEMENT & OPERATING (M&O) CONTRACT WORK AUTHORIZATION

1. Work Authorization No.

2. Initiator: M. J. Furman AMW 376-7062
Name and Signature Org. Telephone No.

3. Program Title: RCRA and Operational Monitoring

4. Program WBS No.: 1.5.3

5. Contractor: WHC

6. Performance Period From: 10/1/94 To: 9/30/95

7. Start Date: N/A Expected Completion Date: N/A

8. Description: LIST ALL ADSs:

(\$K)	Expense	CENRTC	GPP	Line Item	Total
7340-0	25,338	2,000	0	0	\$27,338K
7340-1	660	0	0	0	\$ 660K

Expenditures for this workscope are constrained to actual funding received in the approved Funding Program Plan.

Concurrence

	NAME	SIGNATURE	DATE
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Approval

11. RL AM-COR:	R. A. Holten	<u>R. A. Holten</u>	<u>9/23/94</u>
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Funds will be authorized via the FINPLAN in accordance with the authorized funding table.

c.c. OPI
CFO
M&O Contractor

RELEASE AUTHORIZATION

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This document was reviewed following the
procedures described in WHC-CM-3-4 and is:

APPROVED FOR PUBLIC RELEASE

* * * * *

WHC Information Release Administration Specialist:

N.L. Solis N.L. SOLIS
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9/28/94
(Date)

Preface

The RCRA & Operational Monitoring (ROM) Program Office manages the Hanford Site direct funded Resource Conservation and Recovery Act (RCRA) and Operational Monitoring under Work Breakdown Structure (WBS) 1.01.05.03. The ROM Program Office is included in Hanford Technical Services, a part of Waste, Analytical and Environmental Services of Westinghouse Hanford Company (WHC).

The 1995 Multi-Year Program Plan (MYPP) includes the Fiscal Year Work Plan (FYWP). The Multi-Year Program Plan takes its direction from the Westinghouse Planning Baseline Integration Organization. The MYPP provides both the near term, enhanced details and the long term, projected details for the Program Office to use as baseline Cost, Scope and Schedule. Change Control administered during the fiscal year is against the baseline provided by near term details of this document.

The MYPP process has been developed by WHC to meet its internal planning and integration needs and complies with the requirements of the U.S. Department of Energy, Richland Operations Office (RL) Long Range Planning Process Directive (RLID 5000.2).

Westinghouse Hanford Company (WHC) has developed the multi-year planning process for programs to establish the technical, schedule and cost baselines for program, and support activities under WHC's scope of responsibility. The baseline information is developed by both WHC indirect funded support services organization, and direct funded programs in WHC. WHC Planning and Integration utilizes the information presented in the program specific MYPP and the Program Master Baseline Schedule (PMBS) to develop the Site-Wide Integrated Schedule.

The MYPPs are driven by the Hanford Mission Plan (HMP) Volume 1, Site Guidance, also known as the Five Year Plan. The Five Year Plan projects funding requirements at the Activity Data Sheet (ADS) level for the plan year, the next year and five years thereafter. They set forth the program plan for work scope definition, work planning, work management, and performance monitoring. The MYPP will be utilized by WHC Program and Department Managers as the baseline management tool for status and progress monitoring, performance enhancement, impact analysis studies, and as the basis for detailed fiscal year and near-term planning.

The ROM Program elements are repetitive in nature providing significant historical cost data for baseline validation. In FY 1995, the Program has enhanced its baseline development process with the implementation of fully integrated Resource Loaded Schedules. This all new Cost Schedule Integration between the site standard PX planning software and the site standard Financial Data System (FDS) offers many new challenges. The Program Office advises all that there is real potential for inconsistent or unusual cost variances as a side effect of the new interface and lack of experience with it.

TABLE OF CONTENTS

1. Program Overview	1-1
1A. Program Vision and Mission Statement	1A-1
1B. Program Mission Strategy	1B-1
1B1. Technical Functions and Requirements	1B-3
1B2. Program Objectives	1B-8
1B3. Program Assumptions and Constraints.....	1B-9
1B4. Program Deliverables	1B-14
2. Program Technical Baseline	2-0
2A. Program Work Breakdown Structure (WBS)	2A-0
2A1. Program WBS Structure	2A-1
2A2. Program WBS Dictionary	2A-2
2B. WBS Index and Responsibility Assignment Matrix (RAM)	2B-0
2B1. RL Site WBS Index and RAM	2B-1
2B2. Contractor WBS Index and RAM	2B-2
2C. Program Logic Diagrams	2C-0
2C1. Program Schedule Logic Diagram	2C-1
2C2. Program Schedule Logic Diagram Narrative	2C-3
2C3. Program Functional Logic Diagram	2C-5
2C4. Program Functional Logic Diagram Narrative	2C-6
2D. Program Master Baseline Schedule (PMBS)	2D-1
2E. Program Performance Baseline Schedule (PPBS)	2E-1
2F. FY 1995 Program Milestone List.....	2F-1
2G. FY 1995 Program Milestone Description Sheets	2G-1
2H. Program Cost Baseline	2H-0
2H1. Cost Baseline Summary by Year	2H-1
2I. Basis of Estimate (BOE)	2I-1
2J. Waste Type Data	2J-1
2K. Planned Staffing (Full Time Equivalents)	2K-1
2L. Building Blocks (FY95 thru FY2001)	2L-1
3. Fiscal Year Work Plan (FYWP).....	3-0
3A. Cost Baseline	3A-0
3A1. Cost Baseline Summary/Program Element - Operating Expense.	3A-1
3A2. Program Summary/Cost Element - Operating Expense	3A-2
3A3. Program Element/Cost Element Summary - Operating Expense.	3A-3
3A4. Cost Baseline Summary - ADS/Fund Type	3A-4
3A5. Cost Baseline Summary - CENRTC	3A-5
3A6. Cost Baseline Summary - GPP	3A-6
3A7. Cost Baseline Summary - Line Item	3A-7
3B. Program Funding Requirement	3B-1
3C. FY94 Program Carryover Summary	3C-1

Section 1

1. Program Overview

1A. Program Vision and Mission Statement

1B. Program Mission Strategy

1B1. Technical Functions and Requirements

1B2. Program Objectives

1B3. Program Assumptions and Constraints

1B4. Program Deliverables

1. Program Overview

RCRA and Operational Monitoring manages specific environmental surveillance and monitoring activities in support of Westinghouse Hanford Company at the Hanford Site.

The program is focused on five specific goals, as follows:

- Establish, operate, maintain and close groundwater monitoring systems to satisfy Resource Conservation and Recovery Act (RCRA) regulations and DOE orders.
- Establish, operate, maintain and close operational effluent monitoring systems to satisfy Clean Air Act (CAA), Clean Water Act (CWA) and DOE orders.
- Compile, validate, interpret, and report data from RCRA and Operational Groundwater Monitoring and Operational "Near Field" Effluent Monitoring Systems.
- Maintain and operate Hanford and Eastern Washington seismic network and advanced geophysical logging capability. Monitor and maintain active cribs, ponds and ditches.
- Provide surface monitoring for worker access safety in accordance with DOE orders.

1A. Program Vision and Mission Statement

Our demonstrated excellence in our goals will:

- Achieve compliance with the applicable regulations in a cost effective manner.
- Provide critically needed data for Hazardous Waste Permits (including Air and Water Permits).
- Solidify public confidence in Site activities.
- Provide Near-Field monitoring to determine the effects of site activities on the environment immediately adjacent to the site facilities.
- Provide verification of measures to protect workers, the public and the environment are effective.
- Provide a basis for the initiation of corrective measures if required.

We will accomplish this through teamwork between DOE and its contractors, regulators, technical experts, and the public.

1B. Program Mission Strategy

The nature of our program influences our Key Objectives towards quality and continuity of service in the following focused areas:

- Complete installation of the RCRA monitoring system around existing Treatment, Storage and Disposal (TSD) Facilities to satisfy TPA milestone M-24-00.
- Decommission wells which will have no further use.
- Support operating permits by establishing baseline conditions and monitor for compliance, Groundwater, Effluent and Near-Field Monitoring.
- Report monitoring results to meet safety, statutory and operating needs.

Our strategy is to embrace and aggressively support environmental compliance and safety related issues, in a cost effective manner. The following ordered list focuses our priorities.

- 1) Monitor groundwater from the system of wells around the RCRA treatment, storage and disposal and Operational Facilities. Monitoring includes sampling, analysis, review and assessment, long term data management, quality control and assurance, reporting and planning activities, and purgewater management.
- 2) Monitor site surveillance of gaseous and liquid effluents. This includes the Near-Field monitoring systems that assist with the early identification and notification of unintentional releases to minimize the spread of contaminants.

1B. Program Mission Strategy

- 3) Purchase necessary equipment to support program monitoring activities.
- 4) Manage programmatic activities and serve as an advocate for the program. This includes planning activities that determine distribution of site funding.
- 5) Provide environmental monitoring, support and maintenance activities for the following:
 - Active cribs, ponds, and ditches
 - Inactive cribs
 - Hanford and Eastern Washington Seismic Monitoring
- 6) Provide responsive and routine well maintenance and remediation to maintain the monitoring systems in a functional condition.
- 7) Initiate and continue a planned decommissioning program for unused and noncompliant wells and boreholes to render them incapable of providing a pathway for contamination of the groundwater or the surface.
- 8) Prepare for installation of "up to 50" RCRA wells per year as provided in the Tri-Party Agreement.
- 9) Apply technology for more effective and efficient well installation on the site and acceptable means of analysis at the well site.
- 10) Provide groundwater monitoring assessment at sites where significant quantities of radionuclides could be released to the environment.

1B1. Technical Functions and Requirements**Program Management:**

This activity provides program management, financial control and reporting, program level scheduling and administration for the RCRA and Operational Monitoring program. This activity manages the procurement of capital equipment not related to construction (CENRTC). (Replacement of vehicles, monitoring equipment and instrumentation.) The activity is expected to continue at the current level of activity until RCRA and Operational Monitoring is no longer required.

The aspects (and related subactivities) of the program include: RCRA Groundwater Monitoring Well Installation, Groundwater Monitoring, Groundwater Well Maintenance and Decommissioning, Monitor & Assess Basins, Effluent Monitoring, and Environmental Monitoring.

Program Management is the official spokesman for the program and interaction with DOE and the regulatory agencies.

Current law requires groundwater monitoring to continue for 30 years after closure of treatment, storage and disposal facilities followed by the decommissioning of monitoring wells. This would continue beyond the year 2070 under current schedules.

1B1. Technical Functions and Requirements**Groundwater Monitoring:**

This activity performs groundwater monitoring (water-level measurement, sampling and analysis) for RCRA regulated treatment, storage and disposal (TSD) facilities at Hanford. Also provided is groundwater monitoring for those operational facilities which may impact the quality of groundwater as required under DOE orders.

Analytical services are contracted to a laboratory approved for RCRA analysis. Data verification, validation and records management assures RCRA Compliant Data for use in operational permits and closure plans.

All RCRA TSD permit applications (for continued operation) and Closure Plans require groundwater data.

Data provided by this activity also supports site characterization studies for corrective action.

Comply with annual sampling requirements; current requirements involve about 1100 site visits per year. The number of samples will increase as a result of:

- Increasing TSD activity onsite
- Additional wells to make the existing groundwater monitoring network compliant
- Existing contamination plumes reaching monitoring wells.

1B1. Technical Functions and Requirements**Groundwater Monitoring continued:**

All groundwater monitoring activities are performed in compliance with the following state and federal Inter-Agency Guidelines and regulations:

- 40 CFR 265 (Subpart F all sections), "Interim Standards for Owners and Operators of Hazardous Waste Treatment, Storage and Disposal Facilities"
- QAMS 005/80, "Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans"
- Washington Administrative Codes
WAC-173-303-645, "Dangerous Waste Regulations-Groundwater Protection"
WAC-173-304, "Minimum Waste Regulations for Solid Waste Handling"

In addition, operational monitoring must satisfy the requirements of:

- DOE Order 5400.1, "General Environmental Protection Program"
- DOE Order 5480.1B, "Environment, Safety and Health Program for DOE Operations"
- DOE Order 5820.2A, "Radioactive Waste Management"
- WHC-CM-6-1, "Standard Engineering Practices"
- WHC-CM-7-7, "Environmental Investigation and Site Characterization Manual"
- "WHC RCRA Project Management Plan and Quality Assurance Program Plan"

1B1. Technical Functions and Requirements**Well Maintenance and Decommissioning:**

This activity performs essential repairs and preventive maintenance on more than 500 groundwater monitoring and observation wells in the 100, 200, 300, 400, and 600 Areas.

Wells that are no longer serviceable and have no further value are candidates for decommissioning. There are currently in excess of 3000 wells of varying designs and configurations on the Hanford Site. Many of these wells are being evaluated as candidates for decommissioning.

Initial decommissioning and remediation activities on a sustained basis are planned for FY 1995. Decommissioning activities will be suspended during FY 1996 due to funding limits. This apparent contradiction represents the difference between receiving funding at the Planning Case or the Target Case.

Effluent Monitoring:

This activity provides environmental surveillance of gaseous and liquid effluents at the PUREX Plant, Plutonium Finishing Plant, and 222-S Laboratory. Included are Health Physics Technologist training and radiological safety engineering support.

Health Physics Technicians (HPTs), on a monthly basis, collect approximately 1000 air samples and approximately 100 liquid effluent samples, perform over 1100 equipment and source checks, and prepare 120 operational data sheets, to ensure compliance with the DOE Order 5480.11 and Environmental Compliance Manual.

1B1. Technical Functions and Requirements**Environmental Monitoring:**

This activity provides the environmental surveillance and monitoring of the cribs, ponds and ditches in the 200 Areas. Roads and land areas are monitored for potential contamination in the 100, 200 and 600 areas. Maintenance, operation, and reporting of the seismic network for Hanford and Eastern Washington is performed in conjunction with the University of Washington. Vadose zone monitoring is utilized by this activity to identify and characterize contamination in the vadose zone.

The surveillance of road and land areas for potential contamination includes 143 monthly, 35 quarterly, 6 semi-annual and 28 annual surveys to quantify and mitigate transfer of radioactive contamination.

Surveillance and maintenance is provided for cribs, ponds, and ditches in the 200 Areas. Activities include monitoring of active cribs, monitoring pond and crib water-levels, and associated maintenance. Maintenance consists of crib filter changes, dredging, water flow meters, and instrumentation.

1B2. Program Objectives

- Sample and analyze groundwater for RCRA and Operational facilities as required by conditions and regulations.
- Repair and maintain groundwater wells to ensure valid and consistent sampling of the groundwater.
- Utilize contracted laboratory services for impartial analysis of samples.
- Validate, issue, and store sample analysis data per Data Management Requirements.
- Install new and/or replacement groundwater wells as agreed to by TPA and maintain a RCRA-compliant monitoring network.
- Analyze & update groundwater monitoring requirements as required by regulations and permits.
- Operate, maintain and perform surveillance of both active and inactive (200 East & West Areas) Cribs, Ponds and Ditches to monitor and quantify potential contamination spread.
 - Perform and develop Spectral Gamma logging of inactive cribs and initiate Vadose Zone monitoring.
- Operate gaseous effluent monitoring systems for Purex, PFP, 222-S Lab, Tank Farms and UO3 facilities.
- Operate and maintain the Seismic Array for Hanford and Eastern Washington in conjunction with the University of Washington.
- Develop and maintain Near Field Environmental Monitoring and reporting of events within the Separation Areas (200 East & West) and 600 Area.

1B3. Program Assumptions and Constraints

The key assumptions in planning the Program Management activity are:

- The RCRA and Operational Monitoring program will continue to operate in accordance with:
 - The milestones and schedules laid out in the Tri-Party Agreement
 - The interim status rules for treatment, storage and disposal of hazardous waste as required by 40 CFR 265 and as implemented by Washington State codes.
 - The requirement in the RCRA Part B Permit that was issued in August 1994.
- The program will continue to grow as air monitoring required by the most recent revisions to the Clean Air Act are implemented at the site during the next two years before stabilizing.
- Any major perturbations to the current schedule and scope for site activities will change this activity.
 - Starting in FY 1995, DOE has called for full integration of cost and schedule baselines. This implementation will be conducted using site standard PX scheduling software and the existing Financial Data Systems (FDS).
 - DOE efforts to encourage privatization of Hanford work scope will continue. These efforts will directly affect the ROM Program accounting of Full Time Equivalents (FTEs).

MYPP 1995

WBS 1.01.05.03

1B3. Program Assumptions and Constraints

The Issues and Constraints for the Program Management activity are:

- Fiscal year (FY) 1994 Expense Funds are assumed to be carried over into FY 1995.
- There are currently no provisions for additional staff.
- Implementation of the PX/FDS interface is proceeding to the production mode with minimal time allowed for the learning curve. A significant potential exists for our normal minimal cost and schedule variances to render inconsistent variances. These abnormal variances, if they occur, will likely be a result of the methods used in the initial implementation of the cost and schedule integration process.
- The separate contract for the Environmental Restoration Program (ER) under a contract with Bechtel Hanford Inc (BHI) requires revisions to the past practice of issuing task packages to fund activities that ROM and ER had in common.
 - Former WHC matrixed work will now need to be replanned as either work orders or contracts.
 - The replanning process may introduce uncertainties as to the availability and cost of some services.
 - Contracts and work orders do not provide FTE data and the ROM Program FTE totals will significantly change as more activities cease to be performed by WHC personnel. FTE related data will become the responsibility of the other contractors to report to DOE.

1B3. Program Assumptions and Constraints**The key assumptions in planning the Groundwater Monitoring activity are:**

- Current sampling and analysis regulations will not change.
- Analysis costs will not change from those incurred under existing contracts.
- Two new sites per year begin groundwater Quality Assessment monitoring.
- Historical data used to formulate cost, scope and schedules can be accurately extrapolated through the planning period, in spite of differences in sizes of facilities.

The Issues and Constraints for the Groundwater Monitoring activity are:

- Standards for analysis required by the regulators and site requirements have improved by subcontract laboratories.
 - A unit price increase by the outside laboratories, if repeated, will result in significant additional costs for analysis.
 - Cost increases like this would invalidate the cost basis for out-year ADS and budget planning.

1B3. Program Assumptions and Constraints**The key assumptions in planning the Groundwater Well Maintenance & Decommissioning activity are:**

- The level of support to maintain the existing groundwater monitoring is near constant.
- Starting in FY95 and thereafter, funds are made available to decommission wells as prescribed by regulations and permit conditions.
- Average cost for decommissioning wells is estimated at \$40K per well.
- User organizations define well monitoring needs and obtain regulatory compliance in a timely manner.
- Support contractors can provide the required resources when needed.

The Issues and Constraints for the Groundwater Well Maintenance & Decommissioning activity are:

- Routine maintenance could identify significant additional work beyond that which could be done with proposed funding.
- The need for an aggressive well abandonment program is real and is a regulatory issue. Planning for FY95 includes modest sums for a measured beginning of this activity.

1B3. Program Assumptions and Constraints

The key assumptions in planning the Effluent Monitoring activity and the Environmental Monitoring activity are:

- Facilities and areas requiring surveillance will remain near constant.
- Legal monitoring and surveillance requirements will not be changed.
- When funds become available from discontinued monitoring activities they will be used to fund activities whose scope was reduced below sustained minimum requirement based on available funding, where appropriate and allowable.

The Issues and Constraints for the Effluent Monitoring activity are:

- The site complies with the Federal Facility Compliance Agreement milestones.
- No new requirements are added.

MYPP 1995

WBS 1.01.05.03

1B3. Program Assumptions and Constraints

The key assumptions in planning the RCRA Groundwater Well Installation activity are:

- The regulatory requirement to install up to 50 new RCRA wells per year will continue to be in effect.
 - Specific needs for FY 1995 are much less than 50 wells and the program will not proceed with the 15 deep wells in FY 1995.
 - Of these, 1/4 will be drilled under hazardous and radioactive conditions.
 - Typical well depths will be similar to those in the central plateau.
 - Fifteen deep characterization wells, required by a Tiger Team, finding are estimated as non-hazardous, non-radioactive, but with extensive sampling during drilling.
- New facilities will require normal depth, non-hazardous, non-radioactive wells with sampling.
- Initially identified wells to be installed during 1995 include one (1) well at the Non-Radioactive Dangerous Waste Landfill (M-24-00), and (1) well at the Single Shell Tanks. These are included in the scope. Washington State Department of Ecology may require additional wells.

The Issues and Constraints for the RCRA Groundwater Well Installation activity are:

- FY 1995 drilling will be funded from FY 1994 carryover of line item and new expense funds.
- FY 1996 drilling has Line item funding available from carryover but has no operating expense support. Any Tri-Party Agreement well drilling requirements will not be met.
- Groundwater support, reporting, data management and project scientists are not funded in FY 1996. Groundwater data will be collected and preserved but not evaluated and reported.
- Most groundwater well decommissioning will be discontinued in FY 1996 due to insufficient funding at the Target Level.
- Regulator response to these monitoring deficiencies projected in FY 1996 can include compliance orders, unacceptable imposed schedules, fines and other penalties.

1B4. Program Deliverables

- **Annual Activity Data Sheets, Multi-Year Program Plan and Baseline Schedules**
- **Annual Report for Operational Groundwater Monitoring at Hanford**
- **Quarterly Groundwater Report for RCRA Facilities**
- **Annual Calendar Year Groundwater Monitoring Report**
- **Installation of the number of wells agreed to by WDOE / DOE / EPA**
- **Annual Hanford (Seismic) Network Catalog**
- **Annual Environmental Surveillance Report**
- **Annual Report of Gaseous & Liquid Effluent Discharges**
- **Annual Transmittal of EIS / ODIS data to Idaho National Engineering Labs**
- **Annual Hanford Air Emissions Report to EPA**
- **Quarterly Environmental Radiological Monitoring Report**

Section 2**2. Program Technical Baseline****2A. Program Work Breakdown Structure (WBS)****2A1. Program WBS Structure****2A2. WBS Dictionary****2B. WBS Index and Responsibility Assignment Matrix (RAM)****2B1. RL Site WBS Index and RAM****2B2. Contractor WBS Index and RAM****2C. Program Logic Diagrams****2C1. Program Schedule Logic Diagram****2C2. Program Schedule Logic Diagram Narrative****2C3. Program Functional Logic Diagram****2C4. Program Functional Logic Diagram Narrative****2D. Program Master Baseline Schedule (PMBS)****2E. Program Performance Baseline Schedule (PPBS)****2F. FY 1995 Program Milestone****2G. FY 1995 Program Milestone Description Sheets****2H. Program Cost Baseline****2H1. Cost Baseline Summary by Year****2I. Basis of Estimate (BOE)****2J. Waste Type Data****2K. Planned Staffing (Full Time Equivalents)****2L. Building Blocks (FY95 thru FY2001)**

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2A. Program Work Breakdown Structure (WBS)

2A1. Program WBS Structure

2A2. WBS Dictionary

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2A1. Program Work Breakdown Structure

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.1	5. WBS ELEMENT TITLE RCRA and Operational Monitoring	
6. CONTRACTOR WBS ELEMENT CODE: 1R43	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100 35EW3120A	

12. ELEMENT TASK DESCRIPTION**OBJECTIVE:**

The objective of this End Function is to monitor and maintain groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal (TSD) Facilities and the remaining operational facilities on the Hanford site. Perform surveillance of land surface, and liquid and gaseous effluents in the 200 and 600 Areas to identify and limit the spread of surface contamination or unintentional releases and maintain the areas safe for personnel entry. Periodically maintain the surveillance equipment and procedures as required.

A. Cost Content

Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.

B. Technical Content

This End Function is represented by Activity Data Sheet (ADS) 7340-0 and encompasses activities for RCRA and Operational Monitoring outside the purview of active or standby facilities. The activities which comprise this scope are summarized in the work statement below and detailed in the individual WBS Dictionary sheet for the associated activity.

C. Work Statement

Specific support includes:

AA - PROGRAM MANAGEMENT - This Activity provides management for the RCRA and Operational Groundwater Monitoring Programs and RCRA Groundwater Well installations. Response and interaction with the DOE, regulatory agencies, and associated budget reviews and procurement of new and/or replacement capital equipment is also supported.

AC - GROUNDWATER MONITORING - This Activity consolidates support for groundwater monitoring sampling and purgewater disposal activities associated with the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal (TSD) Facilities and the remaining operational facilities at Hanford site.

AD - GROUNDWATER WELL MAINTENANCE AND DECOMMISSIONING - The well remediation / decommissioning objective of this Activity is to coordinate and perform activities associated with the remediation, upgrading and decommissioning of groundwater monitoring wells and vadose wells, on the Hanford Site. The well maintenance objective includes performing routine and non-routine maintenance on groundwater/vadose monitoring and observation wells on the Hanford Site.

AZ - MONITOR AND ASSESS BASINS - The objective of this Activity is to monitor and assess liquid effluent irradiated fuel storage basins, both active and inactive, located in the 100 and 300 Areas which are adjacent to the Columbia River and contain hazardous and/or radioactive liquids. This assessment is to evaluate the potential for impact to the groundwater and ultimately the Columbia River.

BA - EFFLUENT MONITORING - The objective of this Activity is to develop, administer, maintain and report on environmental monitoring and surveillance efforts in the 200 and 600 areas of the Hanford Site. The results of this activity are intended to prevent near-term adverse impacts to workers, the public and the environment. Effluent samplers and ambient air monitors are maintained, routine sampling of soil, vegetation, and surface water is conducted and National Emission Standards for Hazardous Air Pollutants (NESHAP) compliance issues are addressed.

BB - ENVIRONMENTAL MONITORING - The objective of this Activity is to ensure the cribs, ponds and ditches which receive waste water are maintained and monitored. Air and water surveys, of stabilized sites, are performed to monitor and quantify radioactive contamination spread and initiate vadose zone (subsurface and above the water table) monitoring. Continuous operation, monitoring, analysis and reporting of the Hanford seismic network and University of Washington - Eastern Washington seismic network produces information that would otherwise not be available.

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.11	5. WBS ELEMENT TITLE Program Management	
6. CONTRACTOR WBS ELEMENT CODE: 1R43A	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100 35EW3120A	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this activity is to provide management for the RCRA and Operational Groundwater Monitoring Programs and RCRA Groundwater Well installations. Response and interaction with the DOE, regulatory agencies, and other programs is a daily routine. Associated budget reviews and procurement of replacement capital equipment is also supported.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs. All CENRTC costs are controlled by this activity.</p> <p>B. Technical Content</p> <p>This activity monitors and maintains groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. Performs surveillance of land surface and liquid and gaseous effluents in the 200 and 600 Areas to identify and limit the spread of surface contamination or unintentional releases and maintain the areas safe for personnel entry. Periodically maintains the surveillance equipment and upgrades procedures as required.</p> <p>C. Work Statement</p> <p>Specific support includes:</p> <ol style="list-style-type: none"> (1) Program Management and Groundwater Support - provides management for the RCRA and operational monitoring programs and RCRA well installation; (2) Well Sampling and Analysis - includes preparation and supervision of yearly statement of work for PNL which physically gathers samples, arranges for their analysis and subsequent management of data; (3) Well Maintenance and Remediation - includes repairs, cleaning and inspections to keep wells in condition so they can be sampled; (4) Purgewater Disposal - includes collection, transportation, storage and analysis of groundwater monitoring purgewater; (5) Groundwater Management Protection Plan Program - this activity implements and updates the Groundwater Protection Management Plan required by DOE Orders; (6) Surveillance and Maintenance - performs and reports the results of activities necessary to prevent near-term adverse impacts to workers, the public and the environment. Cries, ponds and ditches which receive waste water are maintained and monitored. The development, administration, reporting and maintenance of environmental surveillance activities including analysis of environmental samples are supported in this activity. Effluent samplers and air monitors are maintained to keep them functional. The Hanford seismic network is operated and maintained by this activity. Renewal and purchase of new capital equipment for all RCRA and Operational Monitoring is supported in this activity; and (7) Air Permitting Compliance - funds annual air emissions reporting and the purchase of necessary equipment to reach compliance with the Clean Air Act for selected facilities. 		

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.8.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.11.01	5. WBS ELEMENT TITLE Program Management	
6. CONTRACTOR WBS ELEMENT CODE: 1R43A1	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to provide program management for the Resource Conservation and Recovery Act (RCRA) & Operational Monitoring Program Office (ROM) on the Hanford site. The ROM Program Office oversees the programmatic responsibilities for two Activity Data Sheets (ADS). ADS 7340-0 is an End Function that supports the overall needs of RCRA & Operational Monitoring for the Hanford Site. ADS 7340-1 is an End Function that coordinates the projects department effort to install additional RCRA GW Monitoring wells as required by TPA agreements with regulatory agencies.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs. All CENRTC costs are controlled by this account.</p> <p>B. Technical Content</p> <p>This Cost Account is administrative in nature and provides programmatic and management control of the following technically oriented efforts:</p> <ul style="list-style-type: none"> ● Monitor and maintain groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. ● Perform surveillance of land surface and liquid and gaseous effluents in the 200 and 600 Areas to identify and limit the spread of surface contamination or unintentional releases and maintain the areas safe for personnel entry. ● Provide for periodic maintenance and upgrading of the surveillance equipment and procedures as required. <p>C. Work Statement</p> <p><u>RCRA and Operational Monitoring Program Management activities include but are not limited to:</u></p> <ul style="list-style-type: none"> ● Budget baseline preparation and annual budget submittal preparation. ● Implementation and approval of change control. ● Monthly reporting and presentation preparation. ● Program integration, cost and schedule monitoring and control. ● Long-range planning and administration of the Management Control policies and procedures. <p>This cost account and its supporting personnel will be the focal point for the programmatic interface with:</p> <ul style="list-style-type: none"> ● Westinghouse organizations and programs as well as other contractors and the Department of Energy. ● Federal, state and local regulatory agencies as necessary in support of the RCRA and Operational Monitoring activities. <p>Program management activity is expected to continue at a fairly constant level of activity until RCRA and Operational Monitoring is no longer required. Current law requires groundwater monitoring to continue for 30 years after closure of treatment, storage and disposal facilities. This would continue until at least the year 2070 under current schedules.</p>		

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.11.300	5. WBS ELEMENT TITLE FY93 CENRTC Accounts (generic form)	
6. CONTRACTOR WBS ELEMENT CODE: 2R433. (A thru Z)	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER 35EW3120A	

12. ELEMENT TASK DESCRIPTION**OBJECTIVE:**

The objective of this Cost Account is to procure capital equipment to assist in monitoring and maintaining groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. This equipment will support surveillance of land surface, liquid and gaseous effluents in the 200 and 600 Areas. This surveillance is required to identify and limit the spread of surface contamination, or unintentional releases, and maintain the areas safe for personnel entry. Periodic upgrade of surveillance equipment will be required.

A. Cost Content

Cost content includes the following cost types: labor, organizational overhead, materials, and equipment.

B. Technical Content

Capital Cost Accounts for monitoring equipment are required in support of Inter-Agency Agreements (IAG) such as The Resource Conservation and Recovery Act (RCRA), Clean Water Act (CWA), Clean Air Act (CAA), Tri-Party Agreements (TPA) and other regulatory drivers.

C. Work Statement

Specific support includes upgrading and purchasing new capital equipment for all RCRA and operational monitoring activities. Various geophysical logging, laboratory and surveillance equipment will be procured to support monitoring groundwater monitoring wells around the RCRA Treatment, Storage and Disposal Facilities, operational facilities on the Hanford Site, and surveillance of land surface, liquid, and gaseous effluents in the 200 and 600 areas.

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.11.400	5. WBS ELEMENT TITLE FY94 CENRTC Accounts (generic form)	
6. CONTRACTOR WBS ELEMENT CODE: 2R434. (A thru Z) & 2R43B. (A thru Z)	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER 35EW3120A	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to procure capital equipment to assist in monitoring and maintaining groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. This equipment will support surveillance of land surface, liquid and gaseous effluents in the 200 and 600 Areas. This surveillance is required to identify and limit the spread of surface contamination, or unintentional releases, and maintain the areas safe for personnel entry. Periodic upgrade of surveillance equipment will be required.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, organizational overhead, materials, and equipment.</p> <p>B. Technical Content</p> <p>Capital Cost Accounts for monitoring equipment are required in support of Inter-Agency Agreements (IAG) such as The Resource Conservation and Recovery Act (RCRA), Clean Water Act (CWA), Clean Air Act (CAA), Tri-Party Agreements (TPA) and other regulatory drivers.</p> <p>C. Work Statement</p> <p>Specific support includes upgrading and purchasing new capital equipment for all RCRA and operational monitoring activities. Various geophysics logging, laboratory and surveillance equipment will be procured to support monitoring groundwater monitoring wells around the RCRA Treatment, Storage and Disposal Facilities, operational facilities on the Hanford Site, and surveillance of land surface, liquid, and gaseous effluents in the 200 and 600 areas.</p>		

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.11.500	5. WBS ELEMENT TITLE FY95 CENRTC Accounts (generic form)	
6. CONTRACTOR WBS ELEMENT CODE: 2R435. (A thru Z)	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER Unassigned	

12. ELEMENT TASK DESCRIPTION

OBJECTIVE:

The objective of this Cost Account is to procure capital equipment to assist in monitoring and maintaining groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. This equipment will support surveillance of land surface, liquid and gaseous effluents in the 200 and 600 Areas. This surveillance is required to identify and limit the spread of surface contamination, or unintentional releases, and maintain the areas safe for personnel entry. Periodic upgrade of surveillance equipment will be required.

A. Cost Content

Cost content includes the following cost types: labor, organizational overhead, materials, and equipment.

B. Technical Content

Capital Cost Accounts for monitoring equipment are required in support of Inter-Agency Agreements (IAG) such as The Resource Conservation and Recovery Act (RCRA), Clean Water Act (CWA), Clean Air Act (CAA), Tri-Party Agreements (TPA) and other regulatory drivers.

C. Work Statement

Specific support includes upgrading and purchasing new capital equipment for all RCRA and operational monitoring activities. Various geophysical logging, laboratory and surveillance equipment will be procured to support monitoring groundwater monitoring wells around the RCRA Treatment, Storage and Disposal Facilities, operational facilities on the Hanford Site, and surveillance of land surface, liquid, and gaseous effluents in the 200 and 600 areas.

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.8.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.11.600	5. WBS ELEMENT TITLE FY96 CENRTC Accounts (generic form)	
6. CONTRACTOR WBS ELEMENT CODE: 2R436 (A thru Z)	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER Unassigned	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to procure capital equipment to assist in monitoring and maintaining groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. This equipment will support surveillance of land surface, liquid and gaseous effluents in the 200 and 600 Areas. This surveillance is required to identify and limit the spread of surface contamination, or unintentional releases, and maintain the areas safe for personnel entry. Periodic upgrade of surveillance equipment will be required.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, organizational overhead, materials, and equipment.</p> <p>B. Technical Content</p> <p>Capital Cost Accounts for monitoring equipment are required in support of Inter-Agency Agreements (IAG) such as The Resource Conservation and Recovery Act (RCRA), Clean Water Act (CWA), Clean Air Act (CAA), Tri-Party Agreements (TPA) and other regulatory drivers.</p> <p>C. Work Statement</p> <p>Specific support includes upgrading and purchasing new capital equipment for all RCRA and operational monitoring activities. Various geophysics logging, laboratory and surveillance equipment will be procured to support monitoring groundwater monitoring wells around the RCRA Treatment, Storage and Disposal Facilities, operational facilities on the Hanford Site, and surveillance of land surface, liquid, and gaseous effluents in the 200 and 600 areas.</p>		

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.11.700	5. WBS ELEMENT TITLE FY97 CENRTC Accounts (generic form)	
6. CONTRACTOR WBS ELEMENT CODE: 2R437 (A thru Z)	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER Unassigned	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to procure capital equipment to assist in monitoring and maintaining groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. This equipment will support surveillance of land surface, liquid and gaseous effluents in the 200 and 600 Areas. This surveillance is required to identify and limit the spread of surface contamination, or unintentional releases, and maintain the areas safe for personnel entry. Periodic upgrade of surveillance equipment will be required.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, organizational overhead, materials, and equipment.</p> <p>B. Technical Content</p> <p>Capital Cost Accounts for monitoring equipment are required in support of Inter-Agency Agreements (IAG) such as The Resource Conservation and Recovery Act (RCRA), Clean Water Act (CWA), Clean Air Act (CAA), Tri-Party Agreements (TPA) and other regulatory drivers.</p> <p>C. Work Statement</p> <p>Specific support includes upgrading and purchasing new capital equipment for all RCRA and operational monitoring activities. Various geophysical logging, laboratory and surveillance equipment will be procured to support monitoring groundwater monitoring wells around the RCRA Treatment, Storage and Disposal Facilities, operational facilities on the Hanford Site, and surveillance of land surface, liquid, and gaseous effluents in the 200 and 600 areas.</p>		

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2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.11.800	5. WBS ELEMENT TITLE FY98 CENRTC Accounts (generic form)	
6. CONTRACTOR WBS ELEMENT CODE: 2R438. (A thru Z)	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER Unassigned	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to procure capital equipment to assist in monitoring and maintaining groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. This equipment will support surveillance of land surface, liquid and gaseous effluents in the 200 and 600 Areas. This surveillance is required to identify and limit the spread of surface contamination, or unintentional releases, and maintain the areas safe for personnel entry. Periodic upgrade of surveillance equipment will be required.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, organizational overhead, materials, and equipment.</p> <p>B. Technical Content</p> <p>Capital Cost Accounts for monitoring equipment are required in support of Inter-Agency Agreements (IAG) such as The Resource Conservation and Recovery Act (RCRA), Clean Water Act (CWA), Clean Air Act (CAA), Tri-Party Agreements (TPA) and other regulatory drivers.</p> <p>C. Work Statement</p> <p>Specific support includes upgrading and purchasing new capital equipment for all RCRA and operational monitoring activities. Various geophysics logging, laboratory and surveillance equipment will be procured to support monitoring groundwater monitoring wells around the RCRA Treatment, Storage and Disposal Facilities, operational facilities on the Hanford Site, and surveillance of land surface, liquid, and gaseous effluents in the 200 and 600 areas.</p>		

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.11.900	5. WBS ELEMENT TITLE FY99 CENRTC Accounts (generic form)	
6. CONTRACTOR WBS ELEMENT CODE: 2R439. (A thru Z)	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER Unassigned	

12. ELEMENT TASK DESCRIPTION

OBJECTIVE:

The objective of this Cost Account is to procure capital equipment to assist in monitoring and maintaining groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. This equipment will support surveillance of land surface, liquid and gaseous effluents in the 200 and 600 Areas. This surveillance is required to identify and limit the spread of surface contamination, or unintentional releases, and maintain the areas safe for personnel entry. Periodic upgrade of surveillance equipment will be required.

A. Cost Content

Cost content includes the following cost types: labor, organizational overhead, materials, and equipment.

B. Technical Content

Capital Cost Accounts for monitoring equipment are required in support of Inter-Agency Agreements (IAG) such as The Resource Conservation and Recovery Act (RCRA), Clean Water Act (CWA), Clean Air Act (CAA), Tri-Party Agreements (TPA) and other regulatory drivers.

C. Work Statement

Specific support includes upgrading and purchasing new capital equipment for all RCRA and operational monitoring activities. Various geophysical logging, laboratory and surveillance equipment will be procured to support monitoring groundwater monitoring wells around the RCRA Treatment, Storage and Disposal Facilities, operational facilities on the Hanford Site, and surveillance of land surface, liquid, and gaseous effluents in the 200 and 600 areas.

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.11.000	5. WBS ELEMENT TITLE FY00 CENRTC Accounts (generic form)	
6. CONTRACTOR WBS ELEMENT CODE: 2R430. (A thru Z)	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER Unassigned	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to procure capital equipment to assist in monitoring and maintaining groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. This equipment will support surveillance of land surface, liquid and gaseous effluents in the 200 and 600 Areas. This surveillance is required to identify and limit the spread of surface contamination, or unintentional releases, and maintain the areas safe for personnel entry. Periodic upgrade of surveillance equipment will be required.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, organizational overhead, materials, and equipment.</p> <p>B. Technical Content</p> <p>Capital Cost Accounts for monitoring equipment are required in support of Inter-Agency Agreements (IAG) such as The Resource Conservation and Recovery Act (RCRA), Clean Water Act (CWA), Clean Air Act (CAA), Tri-Party Agreements (TPA) and other regulatory drivers.</p> <p>C. Work Statement</p> <p>Specific support includes upgrading and purchasing new capital equipment for all RCRA and operational monitoring activities. Various geophysical logging, laboratory and surveillance equipment will be procured to support monitoring groundwater monitoring wells around the RCRA Treatment, Storage and Disposal Facilities, operational facilities on the Hanford Site, and surveillance of land surface, liquid, and gaseous effluents in the 200 and 600 areas.</p>		

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.8.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.11.100	5. WBS ELEMENT TITLE FY01 CENRTC Accounts (generic form)	
6. CONTRACTOR WBS ELEMENT CODE: 2R431 (A thru Z)	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable

9. APPROVED CHANGES

10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER Unassigned
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12. ELEMENT TASK DESCRIPTION

OBJECTIVE:

The objective of this Cost Account is to procure capital equipment to assist in monitoring and maintaining groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. This equipment will support surveillance of land surface, liquid and gaseous effluents in the 200 and 600 Areas. This surveillance is required to identify and limit the spread of surface contamination, or unintentional releases, and maintain the areas safe for personnel entry. Periodic upgrade of surveillance equipment will be required.

A. Cost Content

Cost content includes the following cost types: labor, organizational overhead, materials, and equipment.

B. Technical Content

Capital Cost Accounts for monitoring equipment are required in support of Inter-Agency Agreements (IAG) such as The Resource Conservation and Recovery Act (RCRA), Clean Water Act (CWA), Clean Air Act (CAA), Tri-Party Agreements (TPA) and other regulatory drivers.

C. Work Statement

Specific support includes upgrading and purchasing new capital equipment for all RCRA and operational monitoring activities. Various geophysical logging, laboratory and surveillance equipment will be procured to support monitoring groundwater monitoring wells around the RCRA Treatment, Storage and Disposal Facilities, operational facilities on the Hanford Site, and surveillance of land surface, liquid, and gaseous effluents in the 200 and 600 areas.

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.13	5. WBS ELEMENT TITLE Groundwater Monitoring	
6. CONTRACTOR WBS ELEMENT CODE: TR43C	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>This Activity consolidates support for groundwater monitoring sampling, analysis, and reporting and associated purgewater collection, transportation, storage, and disposal associated with the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal (TSD) Facilities and the remaining operational facilities at Hanford site.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This Activity coordinates efforts associated with groundwater monitoring at operational waste sites and Resource Conservation and Recovery Act (RCRA) regulated Treatment, Storage, and Disposal facilities in compliance with WAC-173-303, 40 CFR 265, and DOE Order 5400.1.</p> <p>C. Work Statement</p> <p><u>Specific support includes:</u></p> <ol style="list-style-type: none"> (1) Well Sampling and Analysis - includes preparation and supervision of yearly statement of work to Pacific Northwest Laboratories (PNL) for physically gathering samples, arranges for their analysis and subsequent management of data. (2) RCRA Reporting - provides RCRA Program Data Management. It also implements and updates the Groundwater Protection Management Plan required by DOE Orders. (3) RCRA Project Scientist - provides direct Geoscience support for groundwater monitoring wells. (4) Groundwater Support - provides Geoscience administrative support for the RCRA and Operational Monitoring Programs related work scope. (5) Purgewater Disposal - includes collection, transportation, storage and analysis of purgewater generated by groundwater sampling and drilling of groundwater monitoring wells. 		

2A2. WBS Dictionary		
WORK BREAKDOWN STRUCTURE		
1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.13.01	5. WBS ELEMENT TITLE Well Sampling & Analysis	
6. CONTRACTOR WBS ELEMENT CODE: 1R43C1	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to provide technical expertise for the groundwater monitoring program, coordinate the overall sampling and analysis process, and upgrade groundwater monitoring procedures as required.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This Cost Account coordinates activities associated with groundwater monitoring at operational waste sites and RCRA regulated facilities in compliance with WAC-173-303-845, 40 CFR 265, and DOE Order 5400.1.</p> <p>C. Work Statement</p> <p><u>Activities include but are not limited to:</u></p> <ul style="list-style-type: none"> ● Collect and analyze samples per approved procedures. ● Provide review and evaluation of analyses. ● Provide statistical and trend analysis of sample results. ● Provide QC data evaluation for regulatory reporting. <p>Actual chemical analyses are performed by a subcontracted, RCRA compliant laboratory. Other aspects of this activity are performed by PNL. Proposals for transfer of the sampling activity are in preparation and are expected to provide improved control over the activity and substantial cost savings.</p>		

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.13.02	5. WBS ELEMENT TITLE RCRA Reporting	
6. CONTRACTOR WBS ELEMENT CODE: 1R43C2	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to coordinate activities associated with data management in support of RCRA quarterly and annual reports.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This Cost Account provides the technical expertise to insure the sample data management and reporting requirements of the Resource Conservation and Recovery Act (RCRA) and DOE Order 5400.1 are met.</p> <p>C. Work Statement</p> <p><u>Activities include but are not limited to:</u></p> <ul style="list-style-type: none"> • Prepare quarterly reports for RCRA groundwater monitoring in fulfillment of RCRA interim status recordkeeping and reporting requirements (40 CFR 265.95) • Initiate testing of technology for automated data collection for groundwater monitoring. • Provide groundwater database management and support for RCRA and other groundwater activities as required. • Implements and updates the Groundwater Protection Management Plan required by DOE Orders. 		

2A2. WBS Dictionary		
WORK BREAKDOWN STRUCTURE		
1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.13.03	5. WBS ELEMENT TITLE RCRA Project Scientist	
6. CONTRACTOR WBS ELEMENT CODE: 1R43C3	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to coordinate activities and provide technical management of groundwater monitoring activities at RCRA facilities (including solid waste landfills).</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This Cost Account ensures compliance with state and federal regulation (WAC-173-303, 40 CFR 265), DOE orders (5400.1), TPA and Compliance Orders.</p> <p>C. Work Statement</p> <p><u>Activities include but are not limited to:</u></p> <ul style="list-style-type: none"> • Provide technical support, and coordination for RCRA Groundwater Monitoring around 21 TSD facilities. • Prepare and/or revise site specific groundwater monitoring plans, data sheets, analysis of results, characterization reports and presentations to support RCRA groundwater monitoring. • Prepare and/or revise Project Management Plan (PMP) and Quality Assurance Project Plan (QAPP). • Provide expertise on aquifer testing methodology • Provide expertise to support permitting activities as needed • Prepare RCRA Groundwater assessment Plans/Reports as determined from statistical evaluations. • Conduct engineering studies to support RCRA groundwater monitoring activities. 		

2A2. WBS Dictionary		
WORK BREAKDOWN STRUCTURE		
1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.8.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.13.05	5. WBS ELEMENT TITLE Groundwater Support	
6. CONTRACTOR WBS ELEMENT CODE: 1R43C5	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to provide administrative support to Geoscience work funded by the RCRA and Operational Monitoring Program.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This Cost Account is responsive to the requirements of WHC procedures and regulations for management control systems (MCS) reporting. It is also compliant with the Hanford Financial Data System (FDS) requirements.</p> <p>C. Work Statement</p> <p><u>Activities include, but are not limited to:</u></p> <ul style="list-style-type: none"> ● Provide monthly report input to the Management Control System (MCS), SMS, PTS and DOE-HQ/DOE-RL inquires as required. ● Provide monthly MCS status information for Geosciences RCRA Cost Accounts. ● Provide current and out-year budget planning/scheduling, prioritization and other exercises as directed by DOE and WHC. ● Provide responses to QA audits, surveillance, appraisals, etc as required. ● Provide monthly report describing QA status. ● Provide field file custodian support for the Geotechnical Library. 		

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.13.06	5. WBS ELEMENT TITLE Purgewater Disposal	
6. CONTRACTOR WBS ELEMENT CODE: 1R43C6	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable

9. APPROVED CHANGES

The movement of the ER Program to Bechtel Hanford, Inc., has resulted in reducing the scope of this activity to operating & maintaining the purgewater storage facility. Transportation of purgewater to the facility will be provided by the contractor generating the purgewater.

10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100
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12. ELEMENT TASK DESCRIPTION

OBJECTIVE:

The objective of this Cost Account is to provide funds for the work associated with the collection, transportation, storage and analysis of RCRA related, groundwater monitoring purgewater.

A. Cost Content

Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.

B. Technical Content

This Cost Account collects, monitors and disposes of groundwater monitoring well purge water in accordance with the regulations set forth in the Resource Conservation and Recovery Act (RCRA) and the Clean Water Act (CWA).

C. Work Statement

Required activities include, but are not limited to:

- Engineering support to purgewater activities.
- Provide geosciences support to purgewater activities. Update list of wells required for collection, within the strategy document, upon receipt of sampling data supplied by PNL. Provide sampling, packaging and transportation services as required for purgewater.
- Operate Purgewater Storage Facility. Perform daily and weekly inspection practices to ensure containment within the tanks.
- Remove tumble weeds and spray the area surrounding the ModuTanks with herbicide.

MYPP 1995

2A2. WBS Dictionary		
WORK BREAKDOWN STRUCTURE		
1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.14	5. WBS ELEMENT TITLE Groundwater Well Maintenance & Decommissioning	
6. CONTRACTOR WBS ELEMENT CODE: 1R43D	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	
12. ELEMENT TASK DESCRIPTION		
<p>OBJECTIVE:</p> <p>The well remediation / decommissioning objective of this Activity is to coordinate and perform activities associated with the remediation, upgrading and decommissioning of groundwater monitoring wells and vadose wells, on the Hanford Site. The well maintenance objective includes performing routine and non-routine maintenance on groundwater/vadose monitoring and observation wells on the Hanford Site.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This Activity maintains groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. Remediation activities enable wells to conform to "fitness for use" requirement or result in closure of non-compliant wells in accordance with State and Federal requirements. All work is to be performed in accordance with all applicable safety, QA, engineering, environmental and regulatory requirements.</p> <p>C. Work Statement</p> <ul style="list-style-type: none"> ● <u>Well Remediation / Decommissioning Activities include but are not limited to:</u> <ul style="list-style-type: none"> ● Development, revision and issuance of a Well Remediation/Decommissioning Management Plan. ● Perform a survey of groundwater monitoring wells. ● Evaluation of well construction and characterization data. ● Implementation of remediation/decommissioning specifications and procedures. ● Prepare long-range schedule implementation of activities. ● Provide management and technical direction of field activities. ● Prepare annual report of activities including accomplishments, work in-process and planned work/schedule for the coming year. ● Wells identified as requiring remediation will be evaluated and dispositioned based on the RCRA priorities of the facilities. ● <u>Well Maintenance Activities include, but are not limited to :</u> <ul style="list-style-type: none"> ● Pump removal, repair and installation. ● Well development, bailing and removal of obstructions within the well which affect the well structure. ● Borehole video camera inspections. ● Repair to surface components of the well. ● Activities are in support of hydrologic data gathering mandated by State and Federal regulations and to upgrade facilities (wells) to comply with WAC standards. 		

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.14.01	5. WBS ELEMENT TITLE Groundwater Well Maintenance & Decommissioning	
6. CONTRACTOR WBS ELEMENT CODE: 1R43D1	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	

12. ELEMENT TASK DESCRIPTION

OBJECTIVE:

The well remediation / decommissioning objective of this Cost Account is to coordinate and perform activities associated with the remediation, upgrading and decommissioning of groundwater monitoring wells and vadose wells, on the Hanford Site. The well maintenance objective includes performing routine and non-routine maintenance on groundwater/vadose monitoring and observation wells on the Hanford Site.

A. Cost Content

Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.

B. Technical Content

This Cost Account maintains groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. Remediation activities enable wells to conform to "fitness for use" requirement or result in closure of non-compliant wells in accordance with State and Federal requirements. All work is to be performed in accordance with all applicable safety, QA, engineering, environmental and regulatory requirements.

C. Work Statement

- Well Remediation / Decommissioning Activities include but are not limited to:
 - Development, revision and issuance of a Well Remediation/Decommissioning Management Plan.
 - Perform a survey of groundwater monitoring wells.
 - Evaluation of well construction and characterization data.
 - Implementation of remediation/decommissioning specifications and procedures.
 - Prepare long-range schedule implementation of activities.
 - Provide management and technical direction of field activities.
 - Prepare annual report of activities including accomplishments, work in-process and planned work/schedule for the coming year.
- Wells identified as requiring remediation will be evaluated and dispositioned based on the RCRA priorities of the facilities.
- Well Maintenance Activities include, but are not limited to :
 - Pump removal, repair and installation.
 - Well development, bailing and removal of obstructions within the well which affect the well structure.
 - Borehole video camera inspections.
 - Repair to surface components of the well.
 - Performing routine and non-routine maintenance on groundwater/vadose monitoring and observation wells in the 100, 200, 300, 400, and 600 Areas.
- Activities are in support of hydrologic data gathering mandated by State and Federal regulations and to upgrade facilities (wells) to comply with WAC standards.

MYPP 1995

2A2. WBS Dictionary		
WORK BREAKDOWN STRUCTURE		
1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.21	5. WBS ELEMENT TITLE Effluent Monitoring	
6. CONTRACTOR WBS ELEMENT CODE: 1R43U	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Activity is to develop, administer, maintain and report on environmental monitoring and surveillance efforts in the 200 and 600 areas of the Hanford Site. The results of this activity are intended to prevent near-term adverse impacts to workers, the public and the environment. Effluent samplers and ambient air monitors are maintained, routine sampling of soil, vegetation, and surface water is conducted and National Emission Standards for Hazardous Air Pollutants (NESHAP) compliance issues are addressed.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This Activity provides for the routine collection for analysis of air and water samples to ensure compliance with DOE Order 5480.11 and internal Environmental Compliance Manual, WHC-CM-7-5. Safe access to the 200 Areas via the 600 Area requires regular surveillance so that surface contamination does not spread into the access ways and cause unnecessary exposure of personnel to radiation (OSHA). The Clean Air Act (40 CFR 61, subpart H) places specific limits on the release of actual emission to maintain control and provide quantitative measure of releases. Liquid effluent monitoring provides a similar check on releases of liquids to soil (40 CFR 265 subpart F all sections). Near-field environmental monitoring and surveillance are planned, directed and executed in accordance with DOE Orders 5400.1, 5400.3, 5400.5 5480.1 and 5820.2.</p> <p>C. Work Statement</p> <p><u>This Activity includes but is not limited to:</u></p> <ul style="list-style-type: none"> • Plan, operate and report on specified facility gaseous effluent monitoring system. • Plan, direct, and execute near-field environmental monitoring and surveillance. • Administer Effluent Monitoring and Reporting Program for Facility Operations and Waste Management facilities. • Prepare annual reports of status of effluent releases for radioactive and hazardous contamination within the 200 and 600 areas. • Prepare calendar year air emissions for transmittal by DOE-HQ to EPA as required by 40 CFR 61, Subpart H "National Emissions Standards For Hazardous Air Pollutants (NESHAP). 		

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.21.01	5. WBS ELEMENT TITLE Environmental Effluent (HPT)	
6. CONTRACTOR WBS ELEMENT CODE: 1R43U1	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable

9. APPROVED CHANGES

10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100
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12. ELEMENT TASK DESCRIPTION

OBJECTIVE:

The objective of this Cost Account is to provide for Health Physics Technicians (HPT) that perform surveillance of gaseous effluents in the 200 and 600 Areas to identify and limit the spread of surface contamination or unintentional releases and maintain the areas safe for personnel entry. This Cost Account periodically maintains the surveillance equipment and upgrades procedures as required.

A. Cost Content

Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.

B. Technical Content

This Cost Account provides the labor to operate the gaseous effluent monitoring system around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site.

C. Work Statement

PUREX, PFP, 222-S Laboratory, Tank Farms and UO3 activities include but are not limited to:

- Operate gaseous effluent monitoring system. Includes shift data recording system analysis and trouble shooting, and functional tests. Routinely pull air samples, do source checks, liquid effluent samples and stack checks. Respond to alarms. Tank Waste Remediation Health Physics (TWRHP) provides coverage to Respiratory Protection's in-tank vapor assessments to Tank Farms.

222-S Laboratory activities include but are not limited to:

- Receive and process 200 Area samples.

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.21.02	5. WBS ELEMENT TITLE Effluent & Environmental Monitoring	
6. CONTRACTOR WBS ELEMENT CODE: 1R43U2	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to coordinate the development, documentation, and maintenance of environmental monitoring and surveillance equipment, activities and events within the 200 and 600 Areas of the Hanford Site.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This activity monitors and maintains liquid and gaseous effluents in the 200 and 600 Areas to identify and limit the spread of surface contamination or unintentional releases and maintain the areas safe for personnel entry.</p> <p>C. Work Statement</p> <p><u>Tasks include but are not limited to:</u></p> <ul style="list-style-type: none"> Planning, direction, and execution of near-field environmental monitoring and surveillance in accordance with DOE Orders 5400.1, 5400.3, 5400.5, 5484.1, and 5820.2 and as required by Federal and State regulations, criteria, and standards. Administer the Effluent Monitoring and Reporting Program for Facility Operations and Waste Management facilities and determine compliance with applicable DOE and Westinghouse Hanford Co. requirements. Perform surveillances of facilities and activities with potential to release pollutants to the environment for compliance requirements. Respond to environmental occurrences (including releases of radioactive and hazardous materials, fires, accidents), facilitating remedial actions where needed, and preparing formal reports of occurrences when they are required. Prepare annual reports of status of effluent releases and radioactive and hazardous material contamination within the 200 and 600 Areas. Conduct reviews of reports, criteria, designs, procedures, excavation permits, and other documentation affecting effluent control systems or having potential for effect on the environment. Interpret/enforce WHC-CM-7-5, <u>Environmental Compliance Manual</u>, and WHC-CM-7-4, <u>Environmental Monitoring Manual</u> requirements. <p><u>Environmental Surveillance tasks include:</u></p> <ul style="list-style-type: none"> Annual environmental surveillance report and monthly report on routine surveillances Support to DOE-HQ Environmental Survey and Tiger Teams (Clean Air Act, Safe Drinking Water Act, DOE Orders 5484.1, 5400.1, 5400.3 and 5820.2) Maintain stack, liquid, and ambient air monitoring equipment. Upgrade specified effluent monitoring systems to comply with regulatory requirements. 200 Area environmental program - upgrade and maintain procedures as necessary to maintain and calibrate effluent and ambient air monitoring equipment consistent with the requirements of NQA-1. Perform PM, PISCES, and corrective maintenance on Near Field Constant Air Monitors (CAMS) brought to T Plant for service. In addition, assure that spare CAMS are available for field service when required. Performance of routine surveillance of hazardous waste satellite accumulation and <90 day storage areas <p><u>Radioactive Effluent Monitoring tasks include:</u></p> <ul style="list-style-type: none"> Preparation of annual effluent monitoring reports and maintenance of effluent monitoring plans Performance of routine surveillances and sample and analysis of active effluents Maintain expertise for facility cognizance (Clean Air Act, Safe Drinking Water Act, DOE Orders 5484.1, 5400.1, 5400.3 and 5820.2) Reporting of hazardous waste effluents and support to RCRA groundwater monitoring for closure 		

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.21.03	5. WBS ELEMENT TITLE Compliance & Technical Management	
6. CONTRACTOR WBS ELEMENT CODE: 1R43U3	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable

9. APPROVED CHANGES

10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100
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12. ELEMENT TASK DESCRIPTION**OBJECTIVE:**

The objective of this Cost Account is to provide expertise for Hanford Air Emissions.

A. Cost Content

Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.

B. Technical Content

This activity provides expertise and data reporting for air emissions sample data collected around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. The annual report satisfies the requirements of 40CFR 61, Subpart H, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

C. Work Statement

This is a continuing cost account to provide air emissions expertise.

Activities include but are not limited to:

- Provide regulatory requirements for monitoring, reporting and compliance with air emission from the Hanford Site.
- Provide dose calculation for inclusion in the Calendar Year 1994 air emissions.
- Prepare draft CY-94 air emissions for internal review; resolve comments and issue draft for DOE-HQ review; resolve comment and publish cleared document for transmittal to EPA and Ecology. The annual report satisfies the requirements of 40CFR 61, Subpart H, National Emissions Standards for Hazardous Air Pollutants (NESHAP).

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.21.04	5. WBS ELEMENT TITLE NESHAP Compliance	
6. CONTRACTOR WBS ELEMENT CODE: 1R43U4	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this Cost Account is to provide a single, consolidate source for Hanford Radioactive Air Emissions compliance and oversight.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This activity provides expertise and data reporting for radioactive air emissions sample data collected around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. The annual report satisfies the requirements of 40 CFR 61, Subpart H, National Emissions Standards for Hazardous Air Pollutants (NESHAP).</p> <p>C. Work Statement</p> <p>This is a continuing cost account to provide radioactive air emissions expertise.</p> <p><u>Activities include but are not limited to:</u></p> <ul style="list-style-type: none"> • Scheduling and tracking completion of continuous measurement system upgrades and/or requests for approval of sampling and flow measurement equipment for the existing significant stacks listed below: <ul style="list-style-type: none"> • Plutonium Uranium Extraction "PUREX" Plant (291-A-1) • Plutonium Finishing Plant "PFP" (291-Z-1) • 242-A Evaporator (298-A-22) • 241-AP Tank Farm Exhaust (298-A-40) • 340 Waste Handling Facility (340-NT-EX) • 308 Building (308-GL-EX) • Tank Farms (298-A-17) • Tank Farms (298-A-29) • Tank Farms (298-P-23) • ERO (298-S-7W) • PFP (297-Z-3) • Tank Farms (298-A-27) • Tank Farms (298-P-16) • Tank Farms (298-S-15) • BPlant (291-B-1) • Developing and meeting milestones for identifying and evaluating any other RL point sources of radioactive airborne emissions and completing assessments to determine which, if any, are subject to 40 CFR 61, Subpart H continuous measurement requirements. • A Federal Facility Compliance Agreement (FFCA) was signed by DOE-RL and EPA on February 7, 1994, directing the correction of regulatory deficiencies of Hanford registered stacks. General Hanford Site NESHAP is supported by this cost account. <p>Recent Clean Air Act amendments to 40 CFR 61, Subpart H, National Emissions Standards for Hazardous Air Pollutants (NESHAP) require additional analyses and measurements for point source radioactive air emissions. Stacks, vents, pipes and other point source releases are to be continuously monitored or sampled in accordance with prescriptive requirements. Documentation must be in place to show if potential emissions are excluded from measurement requirements.</p>		

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.22	5. WBS ELEMENT TITLE Environmental Monitoring	
6. CONTRACTOR WBS ELEMENT CODE: 1R43V	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	

12. ELEMENT TASK DESCRIPTION

OBJECTIVE:

The objective of this Activity is to ensure the cribs, ponds and ditches which receive waste water are maintained and monitored. Air and water surveys, of stabilized sites, are performed to monitor and quantify radioactive contamination spread and initiate vadose zone (subsurface and above the water table) monitoring. Continuous operation, monitoring, analysis and reporting of the Hanford seismic network and University of Washington - Eastern Washington seismic network produces information that would otherwise not be available.

A. Cost Content

Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.

B. Technical Content

This Activity supports the environmental surveillance and monitoring of the cribs, ponds, and ditches in the 200 areas, the maintenance, operation and reporting of the seismic network and provision for advanced vadose zone monitoring. This activity was established to enhance the health and safety of the workers, public and the environment. This is further support by the Clean Air Act (40 CFR 61, Subpart A sections 61.01 through 61.19 and Subpart H section 61.90 through 61.98); DOE Orders 5820.2A and 5400.5; the reporting on RCRA and CAA discharges and the permitting and investigations required by TRI-Party Agreement (DOE/EPA/Ecology).

C. Work Statement

Activities include but are not limited to:

- Ensure cribs, ponds and ditches receiving waste water are maintained and monitored.
- Perform vadose zone monitoring through radionuclide logging system. Support installation of nuclear logging calibration model. Refine spectral gamma ray interpretation method. Continue to baseline active and inactive waste sites.
- Collect weekly air and water samples (~13 water and ~50 air) from the 200 and 600 areas.
- Complete ~143 monthly environmental surveys of cribs, ponds, reverse wells, burial grounds, unplanned releases, retention basin and tank farm perimeters.
- Survey ~2000 acres annually of stabilized or remediated sites.

2A2. WBS Dictionary																				
WORK BREAKDOWN STRUCTURE																				
1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7																		
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.22.01	5. WBS ELEMENT TITLE Active Cribes, Ponds & Ditches																			
6. CONTRACTOR WBS ELEMENT CODE: 1R43V1	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable																		
9. APPROVED CHANGES																				
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100																			
12. ELEMENT TASK DESCRIPTION																				
<p>OBJECTIVE:</p> <p>The objective of this Cost Account is to ensure that active cribs, ponds and ditches which receive waste water are maintained and monitored. This cost account limits the spread of surface contamination or unintentional releases and maintains the areas safe for personnel entry. (The scope of work for inactive cribs is significantly different and is therefore covered under WBS Cost Account 1R43V3.)</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This Cost Account maintains active cribs, ponds and ditches around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. It focuses on maintaining compliance with regulations such as the Clean Water Act, Safe Drinking Water Act and other State and Federal Regulations but does not interface with the regulatory agencies.</p> <p>C. Work Statement</p> <p><u>Activities include but are not limited to:</u></p> <ul style="list-style-type: none"> • Provide operations, maintenance and engineering support for the separations areas active cribs, ponds, and ditches. Performance of work will comply with WHC operations procedures. • Perform all surveillance of 200 Area Tank Farms active cribs, ponds and ditches to include: drywell monitoring of active sites, pond level monitoring, crib level monitoring, and effluent flow rate measurements. • Perform maintenance of active cribs, ponds and ditches to include: <ul style="list-style-type: none"> • Crib cleanup required prior to herbicide spraying (remove dead tumbleweed and other vegetation growth) • Water meters • Prepare and/or revise procedures as required. • Provide surveillance data analysis and trend reporting. • Complete FY-1995 selective herbicide spraying. <p><u>200 Area Cribes Vegetation Control Facility Transfers</u></p> <ul style="list-style-type: none"> - Schedule and fund regular applications of herbicide to control vegetation in the 200 Area Cribes. - Isolate inactive pond/crib/ditch facilities and transfer ownership to Decontamination and Decommissioning. - Will include interim stabilization of U-14, B-63, T-1, and T-4 Ditches. May also include permanent isolation (such as cutting and capping pipelines or pouring concrete into diversion boxes) for all other c/p/d facilities. <p><u>TWRS Managed Facilities Planned To Be Inactive by 09/30/94 Are As Follows:</u></p> <table border="0"> <tr> <td>216-A-8 Crib</td> <td>216-A-30 Crib</td> <td>216-A-37-2 Crib</td> </tr> <tr> <td>216-A-45 Crib</td> <td>216-B-55 Crib</td> <td>216-B-62 Crib</td> </tr> <tr> <td>216-B-63 Ditch</td> <td>216-S-25 Crib</td> <td>216-W-LC Crib</td> </tr> </table> <p><u>TWRS Managed Facilities Planned To Be Inactive by 08/30/95 Are:</u></p> <table border="0"> <tr> <td>216-S-26 Crib</td> <td>216-T-1 Ditch</td> <td>216-T-4-2 Ditch</td> </tr> <tr> <td>216-U-14 Ditch</td> <td>216-U-17 Crib</td> <td>216-Z-20 Pond</td> </tr> <tr> <td>216-Z-21 Pond</td> <td></td> <td></td> </tr> </table>			216-A-8 Crib	216-A-30 Crib	216-A-37-2 Crib	216-A-45 Crib	216-B-55 Crib	216-B-62 Crib	216-B-63 Ditch	216-S-25 Crib	216-W-LC Crib	216-S-26 Crib	216-T-1 Ditch	216-T-4-2 Ditch	216-U-14 Ditch	216-U-17 Crib	216-Z-20 Pond	216-Z-21 Pond		
216-A-8 Crib	216-A-30 Crib	216-A-37-2 Crib																		
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216-Z-21 Pond																				

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.8.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.22.02	5. WBS ELEMENT TITLE Seismic Monitoring	
6. CONTRACTOR WBS ELEMENT CODE: 1R43V2	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable

9. APPROVED CHANGES

10. SYSTEM DESIGN DESCRIPTION

NUMBER:
TITLE:

11. BUDGET AND REPORTING NUMBER

EW3120100

12. ELEMENT TASK DESCRIPTION

OBJECTIVE:

The objective of this Cost Account is to support and maintain a seismic monitoring surveillance program that encompasses the Hanford Site and Eastern Washington.

A. Cost Content

Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.

B. Technical Content

This Cost Account maintains seismology history essential to permitting requirements associated with Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site.

C. Work Statement

Collection and analysis of seismic activity information is vital to the construction of environmental cleanup facilities and structures. The information to explain seismic events which may be felt at the Hanford site and vicinity is not available from other sources.

Activities include but are not limited to:

- Maintain minimum required seismic monitoring capabilities for determining location and magnitude of local earthquakes to Hanford facilities.
- Maintain an historical seismic monitoring data base.
- Maintain ability to evaluate and report seismic activities.
- Interpret the continuing seismicity at and around Hanford.
- Perform overall technical, administrative, and seismic network maintenance and reporting to include:
 - Negotiation and monitoring of a yearly contract with the University of Washington for reporting all events recorded by the regional network via a yearly catalog. Quarterly "preliminary" catalogs are also provided.
 - Interpretation of seismic data from the Hanford array and reporting all events recorded by the Hanford network via yearly catalog.
 - Maintain all seismic stations in the regional and Hanford arrays.
- Provide an annual schedule for planned maintenance and upgrade of seismic stations. Use this schedule to status the performance of this cost account.

MYPP 1995

2A2. WBS Dictionary		
WORK BREAKDOWN STRUCTURE		
1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.22.03	5. WBS ELEMENT TITLE Vadose Zone Monitoring	
6. CONTRACTOR WBS ELEMENT CODE: 1R43V3	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this cost account is to maintain spectral gamma logging of inactive cribs per DOE directive to initiate vadose zone monitoring.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This cost account provides for the final development stages and maintaining of the Radionuclide Logging System (RLS). The RLS is essential to better locate, identify and quantify radionuclide species in the vadose zone between the ground surface and groundwater. The RLS techniques accomplish direct measurement of soil moisture content and identification of chemical contaminants from the logging of boreholes.</p> <p>C. Work Statement</p> <p>The title of this Cost Account was revised in FY95 to Vadose Zone Monitoring. The previous title of Inactive Crib Monitoring did not properly reflect the actual Scope of Work being performed.</p> <p><u>Activities include but are not limited to:</u></p> <ul style="list-style-type: none"> • Update the Vadose Zone Monitoring Plan. • Calibrate the Radionuclide Logging System (RLS); a spectral gamma logging system. • Participate in CRADA for installation of the nuclear logging calibration model. • Refine the spectral gamma ray interpretation method. • Continue baselining active and inactive waste sites. 		

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.7
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.01.22.04	5. WBS ELEMENT TITLE Environmental Surveillance	
6. CONTRACTOR WBS ELEMENT CODE: 1R43V4	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3120100	

12. ELEMENT TASK DESCRIPTION

OBJECTIVE:

The objective of this cost account is to collect environmental air and water samples. Perform surveys of stabilized site, cribs, ponds and ditches to monitor and quantify contamination spreads.

A. Cost Content

Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.

B. Technical Content

This cost account takes weekly samples from various location throughout the 200 and 600 areas. Also quarterly, semi-annual and annual surveys as well as special survey request are performed. Surveys and sampling are done to ensure that Hanford complies with DOE Order 5480.11 and to quantify and mitigate any radioactive contamination. Personnel within this cost account are designated Health Physics emergency response personnel.

C. Work Statement

Activities include but are not limited to:

- Complete bi-monthly road survey inside 200 east and 200 west area, perimeter roads and other special road surveys.
- Complete 35 quarterly, 6 semi-annual and 28 annual routine environmental surveys.
- Complete quarterly environmental TLD program.
- Collect weekly air and water samples (~13 water and ~50 air) from the 200 and 600 areas.
- Complete ~143 monthly environmental surveys of cribs, ponds, reverse wells, burial grounds, unplanned releases, retention basin and tank farm perimeters.
- Survey ~2000 acres annually of stabilized or remediated sites.

MYPP 1995

2A2. WBS Dictionary		
WORK BREAKDOWN STRUCTURE		
1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.8
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.2	5. WBS ELEMENT TITLE RCRA Groundwater Well Installation	
6. CONTRACTOR WBS ELEMENT CODE: 1R42	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3130030 39EW31303	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: THIS IS FUNDED IN FY-1994 CARRYOVER <p>The objective of this End Function is to install groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. Add RCRA wells at the rate specified in Tri-Party Agreement Milestone M-24-00.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This End Function supports and coordinates all activities associated with the installation of RCRA compliant groundwater monitoring wells installed beginning in FY 94 under Line Item 94-D-180 (W-152). Installation of RCRA compliant groundwater monitoring wells is part of the overall groundwater monitoring program which must be in place for waste management facilities to maintain RCRA Part B status compliance and hence, continue to operate. The Tri-Party Agreement stipulates that there will be up to 50 RCRA wells installed each year beginning CY 92. Well installation is to continue until all operating facilities have monitoring systems that are approved by the regulators. Includes provision for additional wells required for assessment monitoring, RCRA and Operational Background Monitoring, and replacement of monitoring wells which go dry or are not useful for other reasons.</p> <p>C. Work Statement</p> <p><u>Specific support includes but is not limited to:</u></p> <ol style="list-style-type: none"> (1) Performance of Cultural Resources Review. (2) Material procurement. (3) Actual drilling. (4) Provide or procure qualified drillers. (5) Field supervision of drilling, well installation, well completion and completion of all surface work. (6) HPT and site safety support as required. (7) All field geology/hydrology activities in support of site characterization, including aquifer testing at new wells. (8) Sampling pump procurement, installation and testing. (9) Preparation of all documentation resulting from drilling activities. (10) Surface completion work required prior to turning wells over for routine monitoring. (11) Complete and submit to project files, all necessary data from groundwater monitoring wells installed under W-017H and W-152. (12) Provide soils laboratory analyses to support well completion. (13) Dispose of wastes generated during well construction, completion and development. 		

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.8
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.02.17	5. WBS ELEMENT TITLE RCRA Groundwater Well Installation	
6. CONTRACTOR WBS ELEMENT CODE: 1R42G	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable

9. APPROVED CHANGES

10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3130030 39EW31303
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12. ELEMENT TASK DESCRIPTION

OBJECTIVE: THIS ACTIVITY IS FUNDED IN FY-1994 CARRYOVER

The objective of this Activity is to install groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. Add RCRA wells at the rate specified in Tri-Party Agreement Milestone M-24-00.

A. Cost Content

Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.

B. Technical Content

This Activity supports and coordinates all activities associated with the installation of RCRA compliant groundwater monitoring wells installed beginning in FY 93 under Line Item 93-D-180 (93W-GFW-152). Installation of RCRA compliant groundwater monitoring wells is part of the overall groundwater monitoring program which must be in place for waste management facilities to maintain RCRA Part B status compliance and hence, continue to operate. The Tri-Party Agreement stipulates that there will be up to 50 RCRA wells installed each year beginning CY 92. Well installation is to continue until all operating facilities have monitoring systems that are approved by the regulators. Includes provision for additional wells required for assessment monitoring, RCRA and Operational Background Monitoring, and replacement of monitoring wells which go dry or are not useful for other reasons.

C. Work Statement

Specific support includes but is not limited to:

- (1) Performance of Cultural Resources Review.
- (2) Material procurement.
- (3) Actual drilling.
- (4) Provide or procure qualified drillers.
- (5) Field supervision of drilling, well installation, well completion and completion of all surface work.
- (6) HPT and site safety support as required.
- (7) All field geology/hydrology activities in support of site characterization, including aquifer testing at new wells.
- (8) Sampling pump procurement, installation and testing.
- (9) Preparation of all documentation resulting from drilling activities.
- (10) Surface completion work required prior to turning wells over for routine monitoring.
- (11) Complete and submit to project files, all necessary data from groundwater monitoring wells installed under W-017H and W-152.
- (12) Provide soils laboratory analyses to support well completion.
- (13) Dispose of wastes generated during well construction, completion and development.
- (14) Assemble and complete borehole completion documentation.

2A2. WBS Dictionary**WORK BREAKDOWN STRUCTURE**

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.8
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.02.17.02	5. WBS ELEMENT TITLE Project Support for RCRA Groundwater Wells	
6. CONTRACTOR WBS ELEMENT CODE: 1R42G2	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER EW3130030	
12. ELEMENT TASK DESCRIPTION OBJECTIVE: <p>The objective of this effort is to support installations of groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. Add RCRA wells at the rate specified in Tri-Party Agreement Milestone M-24-00.</p> <p>A. Cost Content</p> <p>Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.</p> <p>B. Technical Content</p> <p>This cost account supports and coordinates all activities associated with the installation of RCRA compliant groundwater monitoring wells installed beginning in FY 94 under Line Item 94-D-180 (94W-GFW-152). Installation of RCRA compliant groundwater monitoring wells is part of the overall groundwater monitoring program which must be in place for waste management facilities to maintain RCRA Part B status compliance and hence, continue to operate. The Tri-Party Agreement stipulates that there will be up to 50 RCRA wells installed each year beginning CY 92. Well installation is to continue until all operating facilities have monitoring systems that are approved by the regulators. Includes provision for additional wells required for assessment monitoring, RCRA and Operational Background Monitoring, and replacement of monitoring wells which go dry or are not useful for other reasons.</p> <p>C. Work Statement</p> <p>This Cost Account provides project management and technical support to Project W-152 for the installation of RCRA compliant groundwater monitoring wells. Well installation complies with the approved groundwater monitoring plans which identify the location of wells. Wells will be installed to meet the requirements imposed by WAC 173-160, <u>Minimum Standards For Construction And Maintenance Of Wells</u>.</p> <ul style="list-style-type: none"> • Site Surveillance Health Physics : Provide health physics technicians to support the drilling operation at the well site. • Environmental Projects : Provide overall project management. Provide facility generator and technical support on drill waste. • Construction Projects QA : Provide construction projects quality assurance support to drilling operations. • Personal Protective Equipment : Provide safety respiratory equipment for drilling personnel. • Office of Sample Management : Provide RCRA approved sampling lab support as necessary to designate the potentially contaminated drill cuttings & decontamination fluids. • Geosciences : Prepare pre-drilling procedures and documentation, Quality Assurance Plan, Groundwater Monitoring plans. Support the project by supplying field geologists and providing geophysical logging to support drilling. • Prepare Borehole Completion Data Packages for sites completed in CY-1994. • Initiate Borehole Completion Data Packages for sites completed in FY-1995 for inclusion in the CY-95 report. Complete reports for wells completed before 3/31/95. 		

2A2. WBS Dictionary

WORK BREAKDOWN STRUCTURE

1. PROJECT TITLE/PARTICIPANT RCRA and Operational Monitoring	2. DATE September 17, 1994	3. DOE-HQ WBS CODE: 3.7.6.8
4. DOE-RL WBS ELEMENT CODE 1.01.05.03.02.17.13	5. WBS ELEMENT TITLE Project W-152 Well Installation	
6. CONTRACTOR WBS ELEMENT CODE: 3R42G3	7. REVISION # AND AUTHORIZATION Not Applicable	8. DATE Not Applicable
9. APPROVED CHANGES		
10. SYSTEM DESIGN DESCRIPTION NUMBER: TITLE:	11. BUDGET AND REPORTING NUMBER 39EW31303	

12. ELEMENT TASK DESCRIPTION

OBJECTIVE:

The objective of this effort is to install groundwater monitoring wells around the Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal Facilities and the remaining operational facilities on the Hanford site. Add RCRA wells at the rate specified in Tri-Party Agreement Milestone M-24-00.

A. Cost Content

Cost content includes the following cost types: labor, material, contracts, other Hanford contractors, site services, IRM support, organizational overhead, general and administrative, and common support pool costs.

B. Technical Content

This project coordinates all activities associated with the installation of RCRA compliant groundwater monitoring wells installed beginning in FY 94 under Line Item 94-D-180 (94W-GFW-152). Installation of RCRA compliant groundwater monitoring wells is part of the overall groundwater monitoring program which must be in place for waste management facilities to maintain RCRA Part B status compliance and hence, continue to operate. The Tri-Party Agreement stipulates that there will be up to 50 RCRA wells installed each year beginning CY 92. Well installation is to continue until all operating facilities have monitoring systems that are approved by the regulators. Includes provision for additional wells required for assessment monitoring, RCRA and Operational Background Monitoring, and replacement of monitoring wells which go dry or are not useful for other reasons.

C. Work Statement

Specific support includes but is not limited to:

- (1) Material procurement.
- (2) Actual drilling.
- (3) Provide or procure qualified drillers.
- (4) Field supervision of drilling, well installation, well completion and completion of all surface work.
- (5) Site safety support as required.
- (6) All field geology/hydrology activities in support of site characterization, including aquifer testing at new wells.
- (7) Sampling pump procurement, installation and testing.
- (8) Preparation of all documentation resulting from drilling activities.
- (9) Surface completion work required prior to turning wells over for routine monitoring.
- (10) Complete and submit to project files, all necessary data from groundwater monitoring wells installed under W-152.
- (11) Dispose of wastes generated during well construction, completion and development.

9/17/94

MYPP 1995

RCRA & OPERATIONAL MONITORING PROGRAM

WBS 1.01.05.03

WHC-SP-1124

2B. WBS Index and Responsibility Assignment Matrix (RAM)

2B1. RL Site WBS Index and RAM

2B2. Contractor WBS Index and RAM

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2B1. RL Site Work Breakdown Structure Index and Programmatic Responsibility Assignment Matrix.					
PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
1.01.05.03.1			RCRA & OPERATIONAL MONITORING	R.R. THOMPSON	86400 RCRA & OPERATIONAL MONITORING
	1.01.05.03.01.11		PROGRAM MANAGEMENT	R.R. THOMPSON	86400 RCRA & OPERATIONAL MONITORING
		1.01.05.03.01.11.01	PROGRAM MANAGEMENT	R.R. THOMPSON	86400 RCRA & OPERATIONAL MONITORING
	1.01.05.03.01.13		RCRA GROUNDWATER MONITORING	M.T. YORK	86400 RCRA & OPERATIONAL MONITORING
		1.01.05.03.01.13.01	WELL SAMPLING & ANALYSIS	D.G. HORTON	86920 GEO/HYDRO CHEMISTRY
		1.01.05.03.01.13.02	RCRA REPORTING	J.S. SCHMID	86930 GROUNDWATER MANAGEMENT
		1.01.05.03.01.13.03	RCRA PROJECT SCIENTIST SUPPORT	J.S. SCHMID	86930 GROUNDWATER MANAGEMENT
		1.01.05.03.01.13.05	GROUNDWATER SUPPORT ACTIVITIES	M.J. LOVE	86900 GEOHYDROLOGIC SUPPORT
		1.01.05.03.01.13.06	PURGE WATER DISPOSAL	A.K. MCDOWELL	7C420 COMPLIANCE ASSESSMENT
	1.01.05.03.01.14		GW WELL MAINT AND DECOMMISSIONING	M.T. YORK	86400 RCRA & OPERATIONAL MONITORING
		1.01.05.03.01.14.01	GW WELL MAINT & DECOMMISSIONING	M.G. GARDNER	86950 WELL SERVICES
	1.01.05.03.01.21		EFFLUENT MONITORING	D.L. MITCHELL	86400 RCRA & OPERATIONAL MONITORING
		1.01.05.03.01.21.01	ENV. EFFLUENT MONITORING (HPT)	B.H. LUECK JR.	33300 TANK WASTE REMEDIATION HP
		1.01.05.03.01.21.02	EFFLUENT & ENVIRONMENTAL MONITOR	L.P. DIEDIKER	88420 EFFLUENT MONITORING
		1.01.05.03.01.21.03	COMPLIANCE AND TECHNICAL MANAGEMENT	L.P. DIEDIKER	88420 EFFLUENT MONITORING
		1.01.05.03.01.21.04	NESHAP COMPLIANCE	W.E. DAVIS	88420 EFFLUENT MONITORING
	1.01.05.03.01.22		ENVIRONMENTAL MONITORING	D.L. MITCHELL	86400 RCRA & OPERATIONAL MONITORING
		1.01.05.03.01.22.01	CRIBS PONDS & DITCHES	A.K. MCDOWELL	7C420 COMPLIANCE ASSESSMENT
		1.01.05.03.01.22.02	SEISMIC MONITORING	S.P. REIDEL	86920 HYDRO/GEO CHEMISTRY
		1.01.05.03.01.22.03	Vadose Zone Monitoring	J.W. FASSETT	86940 GEOPHYSICS
		1.01.05.03.01.22.04	ENV. SURVEILLANCE HEALTH PHYSICS	M.D. ROWE	33140 SITE SURVEILLANCE HEALTH PHYSICS
1.01.05.03.2			RCRA GW WELL INSTALLATION	R.R. THOMPSON	86400 RCRA & OPERATIONAL MONITORING
	1.01.05.03.02.17		RCRA GW WELL INSTALLATION	M.T. YORK	86400 RCRA & OPERATIONAL MONITORING
		1.01.05.03.02.17.02	PROJECT SUPPORT FOR GW WELLS	J.F. KELLER	7FB20 ENVIRONMENTAL PROJECTS
		1.01.05.03.02.17.03	PROJECT W-152 WELL INSTALLATION	J.F. KELLER	7FB20 ENVIRONMENTAL PROJECTS

MYPP 1995

WBS 1.01.05.03

2B2. Contractor Work Breakdown Structure Index and Programmatic Responsibility Assignment Matrix.					
PROGRAM ELEMENT	ACTIVITY	COST ACCOUNT	TITLE	RESPONSIBLE MANAGER	RESPONSIBLE ORGANIZATION
1R43			RCRA & OPERATIONAL MONITORING	R.R. THOMPSON	86400 RCRA & OPERATIONAL MONITORING
	1R43A		PROGRAM MANAGEMENT	R.R. THOMPSON	86400 RCRA & OPERATIONAL MONITORING
		1R43A1	PROGRAM MANAGEMENT	R.R. THOMPSON	86400 RCRA & OPERATIONAL MONITORING
	1R43C		RCRA GROUNDWATER MONITORING	M.T. YORK	86400 RCRA & OPERATIONAL MONITORING
		1R43C1	WELL SAMPLING & ANALYSIS	D.G. HORTON	86920 GEO/HYDRO CHEMISTRY
		1R43C2	RCRA REPORTING	J.S. SCHMID	86930 GROUNDWATER MANAGEMENT
		1R43C3	RCRA PROJECT SCIENTIST SUPPORT	J.S. SCHMID	86930 GROUNDWATER MANAGEMENT
		1R43C5	GROUNDWATER SUPPORT ACTIVITIES	M.J. LOVE	86900 GEOHYDROLOGIC SUPPORT
		1R43C6	PURGE WATER DISPOSAL	A.K. MCDOWELL	7C420 COMPLIANCE ASSESSMENT
	1R43D		GW WELL MAINT AND DECOMMISSIONING	M.T. YORK	86400 RCRA & OPERATIONAL MONITORING
		1R43D1	GW WELL MAINT & DECOMMISSIONING	M.G. GARDNER	86950 WELL SERVICES
	1R43U		EFFLUENT MONITORING	D.L. MITCHELL	86400 RCRA & OPERATIONAL MONITORING
		1R43U1	ENV. EFFLUENT MONITORING (HPT)	B.H. LUECK JR.	33300 TANK WASTE REMEDIATION HP
		1R43U2	EFFLUENT & ENVIRONMENTAL MONITOR	L.P. DIEDIKER	88420 EFFLUENT MONITORING
		1R43U3	COMPLIANCE AND TECHNICAL MANAGEMENT	L.P. DIEDIKER	88420 EFFLUENT MONITORING
		1R43U4	NESHAP COMPLIANCE	W.E. DAVIS	88420 EFFLUENT MONITORING
	1R43V		ENVIRONMENTAL MONITORING	D.L. MITCHELL	86400 RCRA & OPERATIONAL MONITORING
		1R43V1	CRIBS PONDS & DITCHES	A.K. MCDOWELL	7C420 COMPLIANCE ASSESSMENT
		1R43V2	SEISMIC MONITORING	S.P. REIDEL	86920 HYDRO/GEO CHEMISTRY
		1R43V3	Vadose Zone Monitoring	J.W. FASSETT	86940 GEOPHYSICS
		1R43V4	ENV. SURVEILLANCE HEALTH PHYSICS	M.D. ROWE	33140 SITE SURVEILLANCE HEALTH PHYSICS
1R42			RCRA GW WELL INSTALLATION	R.R. THOMPSON	86400 RCRA & OPERATIONAL MONITORING
	1R42G		RCRA GW WELL INSTALLATION	M.T. YORK	86400 RCRA & OPERATIONAL MONITORING
		1R42G2	PROJECT SUPPORT FOR GW WELLS	J.F. KELLER	7FB20 ENVIRONMENTAL PROJECTS
		3R42G3	PROJECT W-152 WELL INSTALLATION	J.F. KELLER	7FB20 ENVIRONMENTAL PROJECTS

2C. Program Logic Diagrams

- 2C1. Program Schedule Logic Diagram**
- 2C2. Program Schedule Logic Diagram Narrative**
- 2C3. Program Functional Logic Diagram**
- 2C4. Program Functional Logic Diagram Narrative**

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2C1. Program Schedule Logic Diagram

2C2. Program Schedule Logic Diagram Narrative**RM0005 Prepare Well Decommissioning Plans**

Evaluate well construction and identifies wells requiring decommissioning. Prepare decommissioning plans, specifications and procedures. This activity represents the front end planning process that will determine the future course of action for this effort.

RM0010 Decommission Non-Required Wells

Decommission wells of all types that present a danger of environmental contamination spread, are not in use, or will have no further use. Wells are decommissioned per plans approved by WDOE at the rate agreed to, and funded by, DOE.

RM0015 Decommission Remaining Wells

Decommission wells after they finish serving their useful life and will no longer be useful. Wells are decommissioned per plans approved by WDOE at the rate agreed to, and funded by, DOE. This activity emphasizes the difference between wells that are not wanted and wells that have served their useful life. As facilities close and 30 years of monitoring passes functional wells will no longer be required, however some may still be needed for water table level measurement or other purposes.

RM0020 Perform Groundwater Monitoring

Groundwater monitoring (sampling and analysis) for RCRA regulated Treatment, Storage and Disposal (TSD) facilities at Hanford. This activity also provides operational groundwater monitoring for those facilities which may impact the quality of groundwater but are not regulated by RCRA. This is an ongoing activity that will taper off as TSD facilities complete Operation, complete Decontamination and Decommissioning (D&D), complete Closure, and continue to monitor groundwater for 30 years.

RM0025 Perform Operational Environmental Monitoring

Provides Health Physics support for environmental surveillance of gaseous and liquid effluents. Environmental monitoring supports the development, administration, reporting and maintenance of activities and events within the 100, 200, 300, 400 and 600 Areas of the Hanford Site in accordance with DOE Orders (5820.2A). Analysis of stack, liquid and ambient air samples is also supported by this activity. Preparation of reports of monitoring results and transmittal of data to Idaho Engineering Laboratory (INEL) are completed within this activity.

RM0030 Perform Seismic Monitoring

Seismic monitoring encompasses operation and maintenance of the seismic monitoring network on the Hanford Site and surrounding portions of Eastern Washington. This activity includes the reporting of all locatable seismic events in the Hanford Network via an annual catalog. It also includes the execution of the contract between the DOE and the University of Washington for the maintenance and operation of the Eastern Washington seismic network.

RM0035 Prepare Annual Data Reports

Data management, verification and evaluation including statistical and trend analysis of results are performed and the results are published quarterly and annually as required. Data is essential for the preparation and continuation of operating permits and closure plans for all RCRA TSD facilities on the Hanford Site. This activity is an annual connector point for many other activities. It is intended to graphically represent the collecting point of numerous annual documents that support permitting operations and characterization.

RM0040 Monitor Groundwater (30 Yrs)

The focus of this activity is to emphasize that Groundwater monitoring will continue to be needed for 30 years after the last TSD facility has completed Operation, D&D and Closure. The end of this activity will determine the need for additional monitoring wells. Groundwater monitoring (sampling and analysis) is required for RCRA regulated TSD facilities at Hanford. This activity also provides operational groundwater monitoring for those facilities which may impact the quality of groundwater but are not regulated by RCRA.

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2C2. Program Schedule Logic Diagram Narrative**RM0045 Decommission Final Wells (7 Yrs)**

Decommission wells associated with the final 30 years of groundwater monitoring that started after the last TSD facility completed D&D. Wells are decommissioned per plans approved by WDOE at the rate agreed to, and funded by, DOE.

RM0050 Final Documentation for CA RCRA Wells (W-017H)

This activity supported and coordinated the activities associated with the installation of RCRA compliance Corrective Activities (CA) groundwater monitoring wells installed in association with project "W-017H". These Corrective Activities wells were identified and agreed to in the Tri Party Agreement (TPA). Project "W-017H" started in Fiscal Year (FY) 1999 and completed drilling in FY 1993. Corrective Activities were funded specifically through ADS 7350. The final documentation of wells drilled in FY 1993 was completed in FY 1994. Installation of RCRA compliant groundwater monitoring wells is part of the overall groundwater monitoring program which must be in place for waste management facilities to maintain RCRA Part B interim status compliance and hence, continue to operate. Well installation is to continue (see activity RM0055) until all operating facilities have monitoring systems that are approved by the regulators.

RM0055 Install Additional RCRA Wells

This activity supports and coordinates the activities associated with the installation of RCRA compliance groundwater monitoring wells being installed in association with project "W-152" (ADS 7340-1). Project "W-152" continues to support TPA milestones and is expected to complete by December 31, 2000. Installation of RCRA compliant groundwater monitoring wells is part of the overall groundwater monitoring program which must be in place for waste management facilities to maintain RCRA Part B interim status compliance and hence, continue to operate. Well installation is to continue until all operating facilities have monitoring systems that are approved by the regulators. Changes in groundwater levels as disposal of water to the soil is reduced will require replacement of wells which go dry. Some wells become unusable for other reasons and must be replaced within this time.

RM0060 M-24-00 Annual RCRA Well Installations

TPA milestone to install WDOE approved Hanford GW Monitoring System.

RM0062 Perform Crib, Ponds & Ditches Monitoring

Surveillance, maintenance, and engineering support is provided for cribs, ponds, and ditches, in the 200 Areas. Included are monitoring of active cribs; pond and crib water-level monitoring; and maintenance. Maintenance includes crib filter changes, dredging control, water flow meters, and measurement instrumentation. This task is essential to the continued use of cribs, ponds, and ditches for water disposal in a safe and effective manner. This activity will continue until the last Crib, Pond, and Ditch is completed with D&D and closed.

RM0064 Install Additional Monitoring Wells

This activity supports and coordinates the tasks associated with the installation of RCRA compliance groundwater monitoring wells being installed after completion of project "W-152". Installation of RCRA compliant groundwater monitoring wells is part of the overall groundwater monitoring program which must be in place for waste management facilities to maintain RCRA Part B interim status compliance and hence, continue to operate. Well installation is to continue until all operating facilities have monitoring systems that are approved by the regulators. Additional well installation may be required to replace existing wells that fail to provide samples when required, or go dry because of changing water table level and other reasons.

2C3. Program Functional Logic Diagram

RCRA & OPERATIONAL MONITORING LOGIC DIAGRAM

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2C4. Program Functional Logic Diagram Narrative

- The RCRA and Operational Monitoring (ROM) Program is driven by the Washington State Department of Ecology's authority to regulate the Resource Conservation and Recovery Act (RCRA) and the Tri-Party Agreement (DOE, EPA and Ecology). The principal responsibility is groundwater monitoring which includes installation, monitoring and maintaining groundwater monitoring wells around RCRA Treatment, Storage and Disposal (TSD) Facilities and remaining operational facilities.
- The number and location of new groundwater wells is recommended by the Hanford M&O contractor (Westinghouse) and approved by the Department of Energy and the Washington State Department of Ecology. The approved list of new wells are then established as a Tri-Party Agreement Milestone for completion.
- The completed wells are added to the inventory of wells to be maintained by the Environmental Field Services as part of the Well Remediation and Decommissioning activities. Within these activities is the determination of future need for existing wells and the fitness-for-use of those wells under RCRA and Washington Administrative Code (WAC). Those wells that are no longer needed or do not meet regulatory requirement for use will be prioritized for decommissioning. The Draft Hanford Site-Wide Part B Permit contains a requirement for state approval prior to decommissioning of an abandoned well and a time limit for decommissioning after approval. The state has expressed a desire to be involved on a well-by-well basis. There are currently approximately 3000 wells of all varieties on the Hanford Reservation.
- The new wells as completed are added to the groundwater sampling and monitoring schedule to routinely monitor active wells and measure the water level. A Statement of Work is provided to the Hanford Research and Development contractor, Pacific Northwest Laboratory (PNL) to take groundwater samples and have those samples analyzed by an offsite private laboratory. The data is published quarterly by Westinghouse and provided to the Hanford Environmental Information System for a permanent record.
- The Environmental Monitoring activity of the program includes an array of seismic monitors distributed over the eastern portion of the state. The array is operated and maintained in conjunction with the University of Washington to monitor, analyze and report on seismic events. In addition to monitoring the earthquake activity on or near the Hanford Reservation the ROM program also monitors for the spread of surface contamination as well as routinely monitoring and sampling gaseous effluents from RCRA and Operational facilities. The effluent samples are analyzed and evaluated and the results are published in a number of periodic reports.

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

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2D. Program Master Baseline Schedule

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2D. PMBS

WESTINGHOUSE HANFORD COMPANY

Five Year Plan

RCRA and Operational Monitoring Program (ROM)

R Rex Thompson ROM Program Manager
SB Roakes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi	1994				1995				1996				1997				1998				1999				2000				2001			
				OCT JAN APR JUL OCT				OCT JAN APR JUL OCT				OCT JAN APR JUL OCT				OCT JAN APR JUL OCT				OCT JAN APR JUL OCT				OCT JAN APR JUL OCT				OCT JAN APR JUL OCT							
3R42G3.98M2400IA	M-24-00I INSTALL UP TO 50 RCRA GW WELLS IN CY97	TPA-M RAG-98-300	12/31/97 12/31/97																																
3R42G3.99M2400JD	M-24-00J INSTALL UP TO 50 RCRA GW WELLS IN CY98	Summary RAG-99-310	09/01/97 12/30/98																																
3R42G3.99M2400JA	M-24-00J INSTALL UP TO 50 RCRA GW WELLS IN CY98	TPA-M RAG-99-310	12/31/98 12/31/98																																

MYPP 1995

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2D. PMBS

WESTINGHOUSE HANFORD COMPANY
Five Year Plan
RCRA and Operational Monitoring Program (ROM)

R Rex Thompson - ROM Program Manager
 SD Roakes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi	1994 1995 1996 1997 1998 1999 2000 2001																											
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL
1R43C1.ENDOFLIFE	WELL SAMPLING & ANALYSIS END OF LIFE	RL	09/30/45 09/30/45	09/30/45 FORE																											
1R43C2	RCRA REPORTING - CAA SUMMARY	CAA SUMM	10/01/89 09/30/45	10/01/89																											
1R43C2.ENDOFLIFE	RCRA REPORTING END OF LIFE	RL RAC-45-2EL	09/30/45 09/30/45	09/30/45 FORE RAC-45-2EL																											
1R43C20A0195002D	ISSUE 2ND QTR CY94 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-95-202	04/01/94 10/30/94	04/01/94 RL RAC-95-202																											
1R43C20A0195002A	ISSUE 2ND QTR CY94 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-95-202	10/31/94 10/31/94	10/31/94 RL RAC-95-202																											
1R43C20A0195003D	ISSUE 3RD QTR CY94 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-95-203	07/01/94 01/30/95	07/01/94 RL RAC-95-203																											
1R43C20A0195003A	ISSUE 3RD QTR CY94 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-95-203	02/01/95 02/01/95	01/31/95 RL RAC-95-203																											
1R43C20A0195004D	ISSUE 4TH QTR CY94 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-95-204	10/01/94 04/29/95	10/01/94 RL RAC-95-204																											
1R43C20A0195004A	ISSUE 4TH QTR CY94 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-95-204	04/30/95 04/30/95	04/30/95 RL RAC-95-204																											
1R43C20A0195011D	ISSUE 1ST QTR CY95 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-95-211	01/02/95 07/30/95	01/02/95 RL RAC-95-211																											
1R43C20A0195011A	ISSUE 1ST QTR CY95 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-95-211	08/04/95 08/04/95	07/31/95 RL RAC-95-211																											
1R43C20A0195120D	CY94 GRD WTR MONITORING REPORT TO STATE/FEDERAL	Summary RAC-95-220	12/30/94 02/28/95	01/04/95 RL RAC-95-220																											
1R43C20A0195120A	CY94 GRD WTR MONITORING REPORT TO STATE/FEDERAL	RL RAC-95-220	03/01/95 03/01/95	03/01/95 RL RAC-95-220																											
1R43C20A0196002D	ISSUE 2ND QTR CY95 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-96-202	04/01/95 10/31/95	04/01/95 FORE RAC-96-202																											
1R43C20A0196002A	ISSUE 2ND QTR CY95 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-96-202	10/31/95 10/31/95	10/31/95 FORE RAC-96-202																											
Program ID	Description	Milestone Type & Num	Current Start & Fi	1994 1995 1996 1997 1998 1999 2000 2001																											

STRIP 4

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

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2D. PMBS

WESTINGHOUSE HANFORD COMPANY
Five Year Plan
RCRA and Operational Monitoring Program (ROM)

R Rex Thompson - ROM Program Manager
SB Roukes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi	1994												1995				1996				1997				1998				1999				2000				2001			
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL				
1R43C20A0196003D	ISSUE 3RD QTR CY95 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-96-203	06/20/95 01/31/96						07/05/95																																		
1R43C20A0196003A	ISSUE 3RD QTR CY95 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-96-203	01/31/96 01/31/96																																								
1R43C20A0196004D	ISSUE 4TH QTR CY95 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-96-204	10/01/95 04/30/96						10/01/95																																		
1R43C20A0196004A	ISSUE 4TH QTR CY95 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-96-204	04/30/96 04/30/96																																								
1R43C20A0196011D	ISSUE 1ST QTR CY96 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-96-211	12/18/95 07/31/96						01/03/96																																		
1R43C20A0196011A	ISSUE 1ST QTR CY96 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-96-211	07/31/96 07/31/96																																								
1R43C20A0196120D	CY95 GRD WTR MONITORING REPORT TO STATE/FEDERAL	Summary RAC-96-220	12/29/95 03/01/96						01/03/96																																		
1R43C20A0196120A	CY95 GRD WTR MONITORING REPORT TO STATE/FEDERAL	RL RAC-96-220	03/01/96 03/01/96																																								
1R43C20A0197002D	ISSUE 2ND QTR CY96 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-97-202	04/01/96 10/31/96						04/01/96																																		
1R43C20A0197002A	ISSUE 2ND QTR CY96 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-97-202	10/31/96 10/31/96																																								
1R43C20A0197003D	ISSUE 3RD QTR CY96 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-97-203	06/18/96 01/31/97						07/01/96																																		
1R43C20A0197003A	ISSUE 3RD QTR CY96 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-97-203	01/31/97 01/31/97																																								
1R43C20A0197004D	ISSUE 4TH QTR CY96 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-97-204	10/01/96 04/30/97						10/01/96																																		
1R43C20A0197004A	ISSUE 4TH QTR CY96 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-97-204	04/30/97 04/30/97																																								
1R43C20A0197011D	ISSUE 1ST QTR CY97 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-97-211	12/18/96 07/31/97						01/03/97																																		
1R43C20A0197011A	ISSUE 1ST QTR CY97 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-97-211	07/31/97 07/31/97																																								
1R43C20A0197120D	CY96 GRD WTR MONITORING REPORT TO STATE/FEDERAL	Summary RAC-97-220	01/03/97 03/01/97																																								
				STRIP 5																																							
Program ID	Description	Milestone Type & Num	Current Start & Fi	1994												1995				1996				1997				1998				1999				2000				2001			
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2D. PMBS

WESTINGHOUSE HANFORD COMPANY

Five Year Plan

RCRA and Operational Monitoring Program (ROM)

R R.C. Thompson - ROM Program Manager
SB Roakes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi	1994			1995			1996			1997			1998			1999			2000			2001		
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL
1R43C20A0197120A	CY96 GRD WTR MONITORING REPORT TO STATE/FEDERAL	RL RAC-97-220	03/01/97 03/01/97											03/01/97													
1R43C20A0198002D	ISSUE 2ND QTR CY97 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-98-202	04/01/97 10/31/97											04/01/97													
1R43C20A0198002A	ISSUE 2ND QTR CY97 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-98-202	10/31/97 10/31/97																								
1R43C20A0198003D	ISSUE 3RD QTR CY97 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-98-203	07/01/97 01/31/98											07/01/97													
1R43C20A0198003A	ISSUE 3RD QTR CY97 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-98-203	01/31/98 01/31/98																								
1R43C20A0198004D	ISSUE 4TH QTR CY97 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-98-204	10/01/97 04/30/98											10/01/97													
1R43C20A0198004A	ISSUE 4TH QTR CY97 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-98-204	04/30/98 04/30/98																								
1R43C20A0198011D	ISSUE 1ST QTR CY98 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-98-211	12/17/97 07/31/98											01/02/98													
1R43C20A0198011A	ISSUE 1ST QTR CY98 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-98-211	07/31/98 07/31/98																								
1R43C20A0198120D	CY97 GRD WTR MONITORING REPORT TO STATE/FEDERAL	Summary RAC-98-220	01/03/98 03/01/98											01/03/98													
1R43C20A0198120A	CY97 GRD WTR MONITORING REPORT TO STATE/FEDERAL	RL RAC-98-220	03/01/98 03/01/98																								
1R43C20A0199002D	ISSUE 2ND QTR CY98 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-99-202	04/01/98 10/31/98											04/01/98													
1R43C20A0199002A	ISSUE 2ND QTR CY98 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-99-202	10/31/98 10/31/98																								
1R43C20A0199003D	ISSUE 3RD QTR CY98 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-99-203	07/01/98 01/31/99											07/01/98													
1R43C20A0199003A	ISSUE 3RD QTR CY98 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-99-203	01/31/99 01/31/99																								
1R43C20A0199004D	ISSUE 4TH QTR CY98 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-99-204	10/01/98 04/30/99											10/01/98													
1R43C20A0199004A	ISSUE 4TH QTR CY98 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-99-204	04/30/99 04/30/99																								
				STRIP 6																							
Program ID	Description	Milestone Type & Num	Current Start & Fi	1994			1995			1996			1997			1998			1999			2000			2001		
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

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2D. PMBS

WESTINGHOUSE HANFORD COMPANY

Five Year Plan

RCRA and Operational Monitoring Program (ROM)

R Rex Thompson - ROM Program Manager
SD Rookes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi													1994				1995				1996				1997				1998				1999				2000				2001																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL				
1R43C20A0101003A	ISSUE 3RD QTR CY00 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-01-203	01/31/01 01/31/01																												
1R43C20A0101004D	ISSUE 4TH QTR CY00 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-01-204	10/01/00 04/30/01																												
1R43C20A0101004A	ISSUE 4TH QTR CY00 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-01-204	04/30/01 04/30/01																												
1R43C20A0101011D	ISSUE 1ST QTR CY01 RPT F OR RCRA GRDWTR MONITORIN	Summary RAC-01-211	12/18/00 07/31/01																												
1R43C20A0101011A	ISSUE 1ST QTR CY01 RPT F OR RCRA GRDWTR MONITORIN	RL RAC-01-211	07/31/01 07/31/01																												
1R43C20A0101120D	CY00 GRD WTR MONITORING REPORT TO STATE/FEDERAL	Summary RAC-01-220	01/02/01 03/01/01																												
1R43C20A0101120A	CY00 GRD WTR MONITORING REPORT TO STATE/FEDERAL	RL RAC-01-220	03/01/01 03/01/01																												
1R43C3	RCRA PROJECT SCIENTIST SUPPORT - CAA SUMMARY	CAA SUMM	10/01/89 09/30/45	10/01/89																											
1R43C3.ENDOFLIFE	RCRA PROJECT SCIENTISTS END OF LIFE	RL RAC-45-3IF	09/30/45 09/30/45	09/30/45																											
1R43C30A0D95030D	FY95 REVIEW GRDWTR PROTE CT. MGMT PLN (RL 89-12)	Summary RAC-95-330	04/01/95 09/30/95	04/01/95																											
1R43C30A0D95030A	FY95 REVIEW GRDWTR PROTE CT. MGMT PLN (RL 89-12)	RL RAC-95-330	09/30/95 09/30/95	09/30/95																											
1R43C30A0D96035D	FY96 UPDATE GRDWTR PROTE CT. MGMT PLN (RL 89-12)	Summary RAC-96-335	04/02/96 09/30/96	04/01/96																											
1R43C30A0D96035A	FY96 UPDATE GRDWTR PROTE CT. MGMT PLN (RL 89-12)	RL RAC-96-335	09/30/96 09/30/96	09/30/96																											
1R43C30A0D97030D	FY97 REVIEW GRDWTR PROTE CT. MGMT PLN (RL 89-12)	Summary RAC-97-330	04/01/97 09/30/97	04/01/97																											
1R43C30A0D97030A	FY97 REVIEW GRDWTR PROTE CT. MGMT PLN (RL 89-12)	RL RAC-97-330	09/30/97 09/30/97	09/30/97																											
Program ID	Description	Milestone Type & Num	Current Start & Fi																												
				1994	1995			1996			1997			1998			1999			2000			2001								
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL				

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2D. PMBS

WESTINGHOUSE HANFORD COMPANY
Five Year Plan
RCRA and Operational Monitoring Program (ROM)

R Rex Thompson - ROM Program Manager
SB Roakes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi																														
				1994	1995			1996			1997			1998			1999			2000			2001										
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL						
1R43C30A0D98030D	FY98 REVIEW GRDWTR PROTE CT. MGMT PLN (RL 89-12)	Summary RAC-98-330	04/01/98 09/30/98												04/01/98																		
1R43C30A0D98030A	FY98 REVIEW GRDWTR PROTE CT. MGMT PLN (RL 89-12)	RL RAC-98-330	09/30/98 09/30/98												09/30/98																		
1R43C30A0D99035D	FY99 UPDATE GRDWTR PROTE CT. MGMT PLN (RL 89-12)	Summary RAC-99-335	03/31/99 09/29/99													04/01/99																	
1R43C30A0D99035A	FY99 UPDATE GRDWTR PROTE CT. MGMT PLN (RL 89-12)	RL RAC-99-335	09/30/99 09/30/99													09/30/99																	
1R43C30A0D00030D	FY00 REVIEW GRDWTR PROTE CT. MGMT PLN (RL 89-12)	Summary RAC-00-330	04/01/00 09/30/00														04/01/00																
1R43C30A0D00030A	FY00 REVIEW GRDWTR PROTE CT. MGMT PLN (RL 89-12)	RL RAC-00-330	09/30/00 09/30/00														09/30/00																
1R43C30A0D01030D	FY01 REVIEW GRDWTR PROTE CT. MGMT PLN (RL 89-12)	Summary RAC-01-330	04/01/01 09/30/01																	04/01/01													
1R43C30A0D01030A	FY01 REVIEW GRDWTR PROTE CT. MGMT PLN (RL 89-12)	RL RAC-01-330	09/30/01 09/30/01																														
1R43C5	1R43C5 GROUNDWATER SUPPORT - CAA SUMMARY	CAA SUMM	10/01/91 09/30/45	10/01/91																													
1R43C5.ENDOF LIFE	GROUNDWATER SUPPORT END OF LIFE	RL RAC-45-5EL	09/30/45 09/30/45	09/30/45																													
1R43C6	PURGE WATER DISPOSAL - CAA SUMMARY	CAA SUMM	10/01/89 09/30/45	10/01/89																													
1R43C6.ENDOF LIFE	PURGEWATER DISPOSAL END OF LIFE	RL RAC-45-6IF	09/30/45 09/30/45	09/30/45																													
Program ID	Description	Milestone Type & Num	Current Start & Fi	STRIP 9																													
				1994	1995			1996			1997			1998			1999			2000			2001										
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL						

STRIP 9

MYPP 1995

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2D. PMBS

WESTINGHOUSE HANFORD COMPANY
Five Year Plan
RCRA and Operational Monitoring Program (ROM)

R Rex Thompson ROM Program Manager
SD Roakes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi	1994			1995			1996			1997			1998			1999			2000			2001						
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL				
1R43D1..ENDOF LIFE	SEVEN YRS WELL DECOMMISSIONING END OF LIFE	RL RAD-45-.EL	09/30/45 09/30/45	09/30/59 FORE RAD-45-.EL																											
1R43D1	GW WELL MAINTENANCE/DECOMMISSIONING- CAA SUMMARY	CAA SUMM	10/01/89 09/30/45	10/01/89																											
1R43D1..ENDOF LIFE	WELL MAINT & DECOMMISSIONING END OF LIFE	RL RAD-45-1EL	09/30/45 09/30/45	09/30/45 FORE RAD-45-1EL																											
1R43D10A0A95000D	ISSUE FY94 WELL REMEDIATION/DECOMM STATUS TO RL	Summary RAD-95-100	10/01/94 12/30/94	10/01/94																											
1R43D10A0A95000A	ISSUE FY94 WELL REMEDIATION/DECOMM STATUS TO RL	RL RAD-95-100	12/31/94 12/31/94	12/31/94 RL RAD-95-100																											
1R43D10A0A96000D	ISSUE FY95 WELL REMEDIATION/DECOMM STATUS TO RL	Summary RAD-96-100	10/01/95 12/30/95	10/01/95																											
1R43D10A0A96000A	ISSUE FY95 WELL REMEDIATION/DECOMM STATUS TO RL	RL RAD-96-100	12/31/95 12/31/95	12/31/95 FORE RAD-96-100																											
1R43D10A0A97000D	ISSUE FY96 WELL REMEDIATION/DECOMM STATUS TO RL	Summary RAD-97-100	10/01/96 12/30/96	10/01/96																											
1R43D10A0A97000A	ISSUE FY96 WELL REMEDIATION/DECOMM STATUS TO RL	RL RAD-97-100	12/31/96 12/31/96	12/31/96 FORE RAD-97-100																											
1R43D10A0A98000D	ISSUE FY97 WELL REMEDIATION/DECOMM STATUS TO RL	Summary RAD-98-100	10/01/97 12/30/97	10/01/97																											
1R43D10A0A98000A	ISSUE FY97 WELL REMEDIATION/DECOMM STATUS TO RL	RL RAD-98-100	12/31/97 12/31/97	12/31/97 FORE RAD-98-100																											
1R43D10A0A99000D	ISSUE FY98 WELL REMEDIATION/DECOMM STATUS TO RL	Summary RAD-99-100	10/01/98 12/30/98	10/01/98																											
1R43D10A0A99000A	ISSUE FY98 WELL REMEDIATION/DECOMM STATUS TO RL	RL RAD-99-100	12/31/98 12/31/98	12/31/98 FORE RAD-99-100																											
1R43D10A0A00000D	ISSUE FY99 WELL REMEDIATION/DECOMM STATUS TO RL	Summary RAD-00-100	10/01/99 12/30/99	10/01/99																											
Program ID	Description	Milestone Type & Num	Current Start & Fi	STRIP 10																											
				1994			1995			1996			1997			1998			1999			2000			2001						
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL				

STRIP 10

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2D. PMBS

WESTINGHOUSE HANFORD COMPANY

Five Year Plan

RCRA and Operational Monitoring Program (ROM)

R Rex Thompson ROM Program Manager
SD Roakes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi	1994			1995			1996			1997			1998			1999			2000			2001		
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL
1R43D10A0A00000A	ISSUE FY99 WELL REMEDIAT ION/DECOMM STATUS TO RL	RL RAD-00-100	12/31/99 12/31/99																								
1R43D10A0A01000D	ISSUE FY00 WELL REMEDIAT ION/DECOMM STATUS TO RL	Summary RAD-01-100	10/01/00 12/31/00																								
1R43D10A0A01000A	ISSUE FY00 WELL REMEDIAT ION/DECOMM STATUS TO RL	RL RAD-01-100	12/31/00 12/31/00																								
1R43U..ENDOF LIFE	Effluent Monitoring End Of Life after all D&D	RL RBA-45-.1F	09/30/45 09/30/45																								
1R43U1	ENV EFF MONITOR HEALTH P HYSICS TECH- CAA SUMMARY	CAA SUMM	10/01/89 09/30/45																								
1R43U1.ENDOF LIFE	ENV EFFLUENT HPT SUPPORT END OF LIFE	RL RBA-45-11F	09/30/45 09/30/45																								
1R43U2	EFFLUENT & ENVIRONMENTAL MONITORING- CAA SUMMARY	CAA SUMM	10/01/89 09/30/47																								
1R43U2.ENDOF LIFE	EFFLUENT & ENVIRON MONITORING END OF LIFE	RL RBA-47-21F	09/30/47 09/30/47																								
1R43U20A0195040D	CY94 TRANSMIT EIS/ODIS DATA REPORT TO INEL RL	Summary RBA-95-240	01/03/94 03/30/95																								
1R43U20A0195040A	CY94 TRANSMIT EIS/ODIS DATA REPORT TO INEL RL	RL RBA-95-240	03/31/95 03/31/95																								
1R43U20A0195060D	CY94 ISS ANN RPTS ON GAS EOUS & LIQ EFF DISCHARGE	Summary RBA-95-260	01/02/95 07/30/95																								
1R43U20A0195060A	CY94 ISS ANN RPTS ON GAS EOUS & LIQ EFF DISCHARGE	RL RBA-95-260	07/31/95 07/31/95																								
Program ID	Description	Milestone Type & Num	Current Start & Fi	1994			1995			1996			1997			1998			1999			2000			2001		
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL

STRIP11

MYPP 1995

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WESTINGHOUSE HANFORD COMPANY

Five Year Plan

RCRA and Operational Monitoring Program (ROM)

R Rex Thompson - ROM Program Manager
SB Roukes - ROM Planning Administrator

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9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2D. PMBS

WESTINGHOUSE HANFORD COMPANY
Five Year Plan
RCRA and Operational Monitoring Program (ROM)

R Rex Thompson - ROM Program Manager
SD Roakes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi	1994			1995			1996			1997			1998			1999			2000			2001		
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL
1R43U20A0100040A	CY99 TRANSMIT EIS/ODIS DATA REPORT TO INEL RL	RL RBA-00-240	03/31/00 03/31/00																								
1R43U20A0100060D	CY99 ISS ANN. RPTS ON GA SEOUS & LIQ EFF DISCHARG	Summary RBA-00-260	01/03/00 07/30/00																								
1R43U20A0100060A	CY99 ISS ANN. RPTS ON GA SEOUS & LIQ EFF DISCHARG	RL RBA-00-260	07/31/00 07/31/00																								
1R43U20A0101040D	CY00 TRANSMIT EIS/ODIS DATA REPORT TO INEL RL	Summary RBA-01-240	01/05/00 03/31/01																								
1R43U20A0101040A	CY00 TRANSMIT EIS/ODIS DATA REPORT TO INEL RL	RL RBA-01-240	03/31/01 03/31/01																								
1R43U20A0101060D	CY00 ISS ANN. RPTS ON GA SEOUS & LIQ EFF DISCHARG	Summary RBA-01-260	01/03/01 07/31/01																								
1R43U20A0101060A	CY00 ISS ANN. RPTS ON GA SEOUS & LIQ EFF DISCHARG	RL RBA-01-260	07/31/01 07/31/01																								
1R43U20A0295050D	ISSUE CY94 REPORT ON ENV IRON SURVEILLANCE TO RL	Summary RBA-95-250	01/03/95 07/31/95																								
1R43U20A0295050A	ISSUE CY94 REPORT ON ENV IRON SURVEILLANCE TO RL	RL RBA-95-250	07/31/95 07/31/95																								
1R43U20A0296050D	ISSUE CY95 REPORT ON ENV IRON SURVEILLANCE TO RL	Summary RBA-96-250	01/05/96 07/31/96																								
1R43U20A0296050A	ISSUE CY95 REPORT ON ENV IRON SURVEILLANCE TO RL	RL RBA-96-250	07/31/96 07/31/96																								
1R43U20A0297050D	ISSUE CY96 REPORT ON ENV IRON SURVEILLANCE TO RL	Summary RBA-97-250	01/04/97 07/31/97																								
1R43U20A0297050A	ISSUE CY96 REPORT ON ENV IRON SURVEILLANCE TO RL	RL RBA-97-250	07/31/97 07/31/97																								
1R43U20A0298050D	ISSUE CY97 REPORT ON ENV IRON SURVEILLANCE TO RL	Summary RBA-98-250	01/04/98 07/31/98																								
1R43U20A0298050A	ISSUE CY97 REPORT ON ENV IRON SURVEILLANCE TO RL	RL RBA-98-250	07/31/98 07/31/98																								
1R43U20A0299050D	ISSUE CY98 REPORT ON ENV IRON SURVEILLANCE TO RL	Summary RBA-99-250	01/03/99 07/30/99																								
1R43U20A0299050A	ISSUE CY98 REPORT ON ENV IRON SURVEILLANCE TO RL	RL RBA-99-250	07/31/99 07/31/99																								
				STRIP 13																							
Program ID	Description	Milestone Type & Num	Current Start & Fi	1994			1995			1996			1997			1998			1999			2000			2001		
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL

MYPP 1995

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2D. PMBS

WESTINGHOUSE HANFORD COMPANY

Five Year Plan

RCRA and Operational Monitoring Program (ROM)

R Rex Thompson ROM Program Manager
SB Roakes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi																												
				1994	1995				1996				1997				1998				1999				2000				2001		
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL
1R43U20A0200050D	ISSUE CY99 REPORT ON ENV IRON SURVEILLANCE TO RL	Summary RBA-00-250	01/04/00 07/30/00																												
1R43U20A0200050A	ISSUE CY99 REPORT ON ENV IRON SURVEILLANCE TO RL	RL RBA-00-250	07/31/00 07/31/00																												
1R43U20A0201050D	ISSUE CY00 REPORT ON ENV IRON SURVEILLANCE TO RL	Summary RBA-01-250	01/04/01 07/31/01																												
1R43U20A0201050A	ISSUE CY00 REPORT ON ENV IRON SURVEILLANCE TO RL	RL RBA-01-250	07/31/01 07/31/01																												
U.S. COMBAT TOWER & TOWERHOUSE MONITORING																															
1R43U3	EFFLUENT MONITORING COMPLIANCE TECH -CAA SUMMARY	CAA SUMM	10/01/89 09/30/40	10/01/89 → 09/30/40																											
1R43U3.ENDOFLIFE	COMPLIANCE & TECHNICAL MANAGEMENT END OF LIFE	RL RBA-40-3EL	09/30/40 09/30/40	09/30/40																											
1R43U30A0195015A	PROVIDE FINAL DFT CY94 HANFORD SITE AIR EMISSION	RL RBA-95-315	05/01/95 05/01/95	05/01/95																											
1R43U30A0195030D	ISSUE CY94 ANNUAL AIR EMISSIONS REPORT TO EPA	Summary RBA-95-330	01/03/95 06/29/95	01/03/95																											
1R43U30A0195030A	ISSUE CY94 ANNUAL AIR EMISSIONS REPORT TO EPA	RL RBA-95-330	06/30/95 06/30/95	06/30/95																											
1R43U30A0196015A	PROVIDE FINAL DFT CY95 HANFORD SITE AIR EMISSION	RL RBA-96-315	05/01/96 05/01/96	05/01/96																											
1R43U30A0196030D	ISSUE CY95 ANNUAL AIR EMISSIONS REPORT TO EPA	Summary RBA-96-330	01/03/96 06/29/96	01/03/96																											
1R43U30A0196030A	ISSUE CY95 ANNUAL AIR EMISSIONS REPORT TO EPA	RL RBA-96-330	06/30/96 06/30/96	06/30/96																											
1R43U30A0197015A	PROVIDE FINAL DFT CY96 HANFORD SITE AIR EMISSION	RL RBA-97-315	05/01/97 05/01/97	05/01/97																											
1R43U30A0197030D	ISSUE CY96 ANNUAL AIR EMISSIONS REPORT TO EPA	Summary RBA-97-330	01/03/97 06/29/97	01/03/97																											
1R43U30A0197030A	ISSUE CY96 ANNUAL AIR EMISSIONS REPORT TO EPA	RL RBA-97-330	06/30/97 06/30/97	06/30/97																											
Program ID	Description	Milestone Type & Num	Current Start & Fi	OCT JAN APR JUL OCT																											

STRIP 14

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

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2D. PMBS

WESTINGHOUSE HANFORD COMPANY

Five Year Plan

RCRA and Operational Monitoring Program (ROM)

R Rex Thompson - ROM Program Manager
 SB Roakes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi																																
				1994	1995				1996				1997				1998				1999				2000				2001						
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL				
1R43U30A0198015A	PROVIDE FINAL DFT CY97 HANFORD SITE AIR EMISSION	RL RBA-98-315	05/01/98 05/01/98																																
1R43U30A0198030D	ISSUE CY97 ANNUAL AIR EMISSIONS REPORT TO EPA	Summary RBA-98-330	01/03/98 06/29/98																																
1R43U30A0198030A	ISSUE CY97 ANNUAL AIR EMISSIONS REPORT TO EPA	RL RBA-98-330	06/30/98 06/30/98																																
1R43U30A0199015A	PROVIDE FINAL DFT CY98 HANFORD SITE AIR EMISSION	RL RBA-99-315	05/01/99 05/01/99																																
1R43U30A0199030D	ISSUE CY98 ANNUAL AIR EMISSIONS REPORT TO EPA	Summary RBA-99-330	01/03/99 06/29/99																																
1R43U30A0199030A	ISSUE CY98 ANNUAL AIR EMISSIONS REPORT TO EPA	RL RBA-99-330	06/30/99 06/30/99																																
1R43U30A0100015A	PROVIDE FINAL DFT CY99 HANFORD SITE AIR EMISSION	RL RBA-00-315	05/01/00 05/01/00																																
1R43U30A0100030D	ISSUE CY99 ANNUAL AIR EMISSIONS REPORT TO EPA	Summary RBA-00-330	01/05/00 06/30/00																																
1R43U30A0100030A	ISSUE CY99 ANNUAL AIR EMISSIONS REPORT TO EPA	RL RBA-00-330	06/30/00 06/30/00																																
1R43U30A0101015A	PROVIDE FINAL DFT CY00 HANFORD SITE AIR EMISSION	RL RBA-01-315	05/01/01 05/01/01																																
1R43U30A0101030D	ISSUE CY00 ANNUAL AIR EMISSIONS REPORT TO EPA	Summary RBA-01-330	01/04/01 06/30/01																																
1R43U30A0101030A	ISSUE CY00 ANNUAL AIR EMISSIONS REPORT TO EPA	RL RBA-01-330	06/30/01 06/30/01																																
1R43U4	NESHAP COMPLIANCE	CAA SUMM	11/01/93 09/30/40																																
1R43U4.ENDOFLIFE	NESHAP COMPLIANCE END OF LIFE	RL	09/30/40 09/30/40																																
1R43U40A0A050A1D	ISSUE DRAFT CDR 298-A40 STACK FOR RL REVIEW	Summary RBA-95-4A1	10/01/94 11/15/94																																
Program ID	Description	Milestone Type & Num	Current Start & Fi	STRIP15																															
				1994	1995				1996				1997				1998				1999				2000				2001						

STRIP15

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WESTINGHOUSE HANFORD COMPANY
Five Year Plan
RCRA and Operational Monitoring Program (ROM)

R Rex Thompson ROM Program Manager
SB Roukes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi																																
				1994	1995				1996				1997				1998				1999				2000				2001						
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL				
1R43U40A0A950A1A	PREPARE DRAFT CDR 296-A40 STACK FOR RL REVIEW	RL RBA-95-4A1	11/15/94 11/15/94																																
1R43U40A0A951A2D	ISSUE FINAL CDR 296-A40 STACK FOR RL REVIEW	Summary RBA-95-4A2	01/02/95 03/31/95																																
1R43U40A0A951A2A	PREPARE FINAL CDR 296-A40 STACK FOR RL REVIEW	RL RBA-95-4A2	03/31/95 03/31/95																																
1R43U40A0B950BDD	FY94 4TH QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-95-4BD	10/01/94 10/31/94																																
1R43U40A0B950BDA	FY94 4TH QTR NESHAP STATUS TO RL FOR EPA	RL RBA-95-4BD	10/31/94 10/31/94																																
1R43U40A0B951BAD	FY95 1ST QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-95-4BA	01/02/95 01/31/95																																
1R43U40A0B951BAA	FY95 1ST QTR NESHAP STATUS TO RL FOR EPA	RL RBA-95-4BA	01/31/95 01/31/95																																
1R43U40A0B951BBD	FY95 2ND QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-95-4BB	04/01/95 04/30/95																																
1R43U40A0B951BBA	FY95 2ND QTR NESHAP STATUS TO RL FOR EPA	RL RBA-95-4BB	04/30/95 04/30/95																																
1R43U40A0B951BCD	FY95 3RD QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-95-4BC	07/01/95 07/30/95																																
1R43U40A0B951BCA	FY95 3RD QTR NESHAP STATUS TO RL FOR EPA	RL RBA-95-4BC	07/30/95 07/30/95																																
1R43U40A0B960BDD	FY95 4TH QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-96-4BD	10/01/95 10/31/95																																
1R43U40A0B960BDA	FY95 4TH QTR NESHAP STATUS TO RL FOR EPA	RL RBA-96-4BD	10/31/95 10/31/95																																
1R43U40A0B961BAD	FY96 1ST QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-96-4BA	01/02/96 01/31/96																																
1R43U40A0B961BAA	FY96 1ST QTR NESHAP STATUS TO RL FOR EPA	RL RBA-96-4BA	01/31/96 01/31/96																																
1R43U40A0B961BBD	FY96 2ND QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-96-4BB	04/01/96 04/30/96																																
1R43U40A0B961BBA	FY96 2ND QTR NESHAP STATUS TO RL FOR EPA	RL RBA-96-4BB	04/30/96 04/30/96																																
				STRIP 10																															
Program ID	Description	Milestone Type & Num	Current Start & Fi																																
				1994	1995				1996				1997				1998				1999				2000				2001						
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL				

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2D. PMBS

WESTINGHOUSE HANFORD COMPANY

Five Year Plan

RCRA and Operational Monitoring Program (ROM)

R Rex Thompson - ROM Program Manager
SB Roakes - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi	1994				1995				1996				1997				1998				1999				2000				2001			
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL
1R43U40A0B961BCD	FY96 3RD QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-96-4BC	07/01/96 07/30/96																																
1R43U40A0B961BCA	FY96 3RD QTR NESHAP STATUS TO RL FOR EPA	RL RBA-96-4BC	07/30/96 07/30/96																																
1R43U40A0B970BDD	FY96 4TH QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-97-4BD	10/01/96 10/31/96																																
1R43U40A0B970BDA	FY96 4TH QTR NESHAP STATUS TO RL FOR EPA	RL RBA-97-4BD	10/31/96 10/31/96																																
1R43U40A0B971BAD	FY97 1ST QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-97-4BA	01/02/97 01/31/97																																
1R43U40A0B971BAA	FY97 1ST QTR NESHAP STATUS TO RL FOR EPA	RL RBA-97-4BA	01/31/97 01/31/97																																
1R43U40A0B971BBD	FY97 2ND QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-97-4BB	04/01/97 04/30/97																																
1R43U40A0B971BDA	FY97 2ND QTR NESHAP STATUS TO RL FOR EPA	RL RBA-97-4BB	04/30/97 04/30/97																																
1R43U40A0B971BCD	FY97 3RD QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-97-4BC	07/01/97 07/30/97																																
1R43U40A0B971BCA	FY97 3RD QTR NESHAP STATUS TO RL FOR EPA	RL RBA-97-4BC	07/30/97 07/30/97																																
1R43U40A0B980BDD	FY97 4TH QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-98-4BD	10/01/97 10/31/97																																
1R43U40A0B980BDA	FY97 4TH QTR NESHAP STATUS TO RL FOR EPA	RL RBA-98-4BD	10/31/97 10/31/97																																
1R43U40A0B981BAD	FY98 1ST QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-98-4BA	01/02/98 01/31/98																																
1R43U40A0B981BAA	FY98 1ST QTR NESHAP STATUS TO RL FOR EPA	RL RBA-98-4BA	01/31/98 01/31/98																																
1R43U40A0B981BBD	FY98 2ND QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-98-4BB	04/01/98 04/30/98																																
1R43U40A0B981BDA	FY98 2ND QTR NESHAP STATUS TO RL FOR EPA	RL RBA-98-4BB	04/30/98 04/30/98																																
1R43U40A0B981BCD	FY98 3RD QTR NESHAP STATUS TO RL FOR EPA	Summary RBA-98-4BC	07/01/98 07/30/98																																

STRIP17

Program ID	Description	Milestone Type & Num	Current Start & Fi	1994				1995				1996				1997				1998				1999				2000				2001			
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL
				1994	1995	1996	1997	1998	1999	2000	2001																								

STRIP 17

MYPP 1995

WBS 1.01.05.03

2D. PMBS

WESTINGHOUSE HANFORD COMPANY
Five Year Plan
RCRA and Operational Monitoring Program (ROM)

R Rex Thompson ROM Program Manager
 SD Roarks - ROM Planning Administrator

Program ID	Description	Milestone Type & Num	Current Start & Fi	1994 1995 1996 1997 1998 1999 2000 2001																												
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	
1R43U40A0B981BCA	FY98 3RD QTR NESHAP STATUS TO RL FOR EPA	RL RBA-98-4BC	07/30/98 07/30/98																													
1R43U40A1B951B3D	CONDUCT MEETINGS TO DETERMINE STACK RESOLUTIONS	Summary RBA-95-4B3	11/01/94 12/31/94																													
1R43U40A1B951B3A	DETERMINE EPA REQUIRED NESHAP STACK RESOLUTIONS	RL RBA-95-4B3	12/31/94 12/31/94																													
1R43V1	Environmental Monitoring activities End of Life	RL	09/30/47 09/30/47																													
1R43V1	CRIBS PONDS & DITCHES - CAA SUMMARY	CAA SUMM	10/01/89 09/30/18																													
1R43V1.ENDOF LIFE	CRIBS, PONDS & DITCHES END OF LIFE	RL RBB-18-11F	09/30/18 09/30/18																													
1R43V2	SEISMIC MONITORING - CAA SUMMARY	CAA SUMM	10/01/89 09/30/45																													
1R43V2.ENDOF LIFE	SEISMIC MONITORING END OF LIFE	RL BB-95-1F4	09/30/18 09/30/18																													
1R43V2.ENDOF LIFE	SEISMIC MONITORING END OF LIFE	RL RBB-45-2EL	09/30/45 09/30/45																													
1R43V20A0195110D	ISSUE THE FY94 ANNUAL HANFORD NETWORK CATALOG	Summary RBB-95-210	10/01/94 12/30/94																													
1R43V20A0195110A	ISSUE THE FY94 ANNUAL HANFORD NETWORK CATALOG	RL RBB-95-210	12/31/94 12/31/94																													
1R43V20A0198110D	ISSUE THE FY95 ANNUAL HANFORD NETWORK CATALOG	Summary RBB-96-210	10/01/95 12/30/95																													
Program ID	Description	Milestone Type & Num	Current Start & Fi	1994 1995 1996 1997 1998 1999 2000 2001																												
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	

STRIP18

MYPP 1995

WBS 1.01.05.03

WHC-SP-1124

2D. PMBS

Five Year Plan

RCRA and Operational Monitoring Program (ROM)

R Rex Thompson - ROM Program Manager
SB Roakes - ROM Planning Administrator

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WBS 1.01.05.03

WESTINGHOUSE HANFORD COMPANY
Five Year Plan
RCRA and Operational Monitoring Program (ROM)

Program ID	Description	Milestone Type & Num	Current Start & Fi	1994												1995			1996			1997			1998			1999			2000			2001					
				OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL	OCT	JAN	APR	JUL				
1R43V4	ENV SURVEILLANCE HEALTH PHYSICS - CAA SUMMARY		10/01/89 09/30/47	10/01/89																																			
1R43V4.ENDOF LIFE	ENVIRONMENTAL SURVEILLANCE END OF LIFE	RL BB-95-1F4	09/30/18 09/30/18	09/30/56 FORE BB-05-1F4																																			
1R43V4.ENDOF LIFE	ENVIRONMENTAL SURVEILLANCE END OF LIFE	RL RBB-47-4EL	09/30/47 09/30/47	09/30/56 FORE RBB-47-4EL																																			

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2E. Program Performance Baseline Schedule (Master Operating)

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2E. Program Performance Baseline Schedule

ADS 7340-0 MASTER OPERATING SCHEDULE

MYPP 1995

WBS 1.01.05.03

2E. Program Performance Baseline Schedule (continued)**ADS 7340-1 MASTER OPERATING SCHEDULE**

WBS (ADS)	Baseline Date	FISCAL YEAR 1995												FY 1996
		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.5.3.2.17 (TDD - AG) RCRA GROUNDWATER WELL INSTALLATION		M-24-00F, INSTALL UP TO 50 RCRA GW MONITORING WELLS IN CY94												M-24-00G, INSTALL UP TO 50 RCRA GW MONITORING WELLS IN CY95
		RAG-95-305
		RAG-95-334 M-24-33F, INSTALL 1 ADDITIONAL RCRA WELL AROUND U-12 CRIB (5 TOTAL)												
MILESTONE TYPES:		TPA MAJOR	DOE-HQ	DOE FO	FOOTNOTES:
		TPA INTERIM	DOE-RL											

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2F. FY 1995 Program Milestone List

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2F. FY 1995 Program Milestone List

Milestone			WHC WBS (FY 1994) FY 1995	RL WBS (FY 1994) FY 1995	ADS (FY94) FY95	Milestone Description	Baseline Revision Date	Baseline Authority	Baseline Completion Date	Estimated Completion Percent
Type	Unique ID HQ WBS	{SMS ID} FYP ID PTS ID								
FO	1R43C30H0A95030A 3.7.6.7	{RAC-95-330} 7340-00-0005	(R43C1) R43C3	(1.01.05.03.01.13.01) 1.01.05.03.01.13.03	(7340-0) 7340-0	FY95 Review the groundwater protection management plan (RL 89-12)		FY95	09/30/95	09/30/95
FO	1R43C20A0194002A 3.7.6.7	{RAC-95-202} 7340-00-0090	(R43C2) R43C2	(1.01.05.03.01.13.02) 1.01.05.03.01.13.02	(7340-0) 7340-0	Issue 2nd Quarter CY94 report for RCRA groundwater monitoring program to state & federal regulators		FY96	10/31/94	10/31/94
FO	1R43C20A0194003A 3.7.6.7	{RAC-95-203} 7340-00-0096	(R43C2) R43C2	(1.01.05.03.01.13.02) 1.01.05.03.01.13.02	(7340-0) 7340-0	Issue 3rd Quarter CY94 report for RCRA groundwater monitoring program to state & federal regulators		FY96	01/31/95	01/31/95
FO	1R43C20A0194120A 3.7.6.7	{RAC-95-220} 7340-00-0205	(R43C2) R43C2	(1.01.05.03.01.13.02) 1.01.05.03.01.13.02	(7340-0) 7340-0	Issue CY94 groundwater monitoring report to state & federal regulators		FY95	03/01/95	03/01/95
FO	1R43C20A0194004A 3.7.6.7	{RAC-95-204} 7340-00-0100	(R43C2) R43C2	(1.01.05.03.01.13.02) 1.01.05.03.01.13.02	(7340-0) 7340-0	Issue 4th Quarter CY94 report for RCRA groundwater monitoring program to state & federal regulators		FY96	04/30/95	04/30/95
FO	1R43C20A0195011A 3.7.6.7	{RAC-95-211} 7340-00-0105	(R43C2) R43C2	(1.01.05.03.01.13.02) 1.01.05.03.01.13.02	(7340-0) 7340-0	Issue 1st Quarter CY95 report for RCRA groundwater monitoring program to state & federal regulators		FY96	07/31/95	07/31/95
FO	1R43D1010A9400A 3.7.6.7	{RAD-95-100} 7340-00-0140	(R43D1) R43D1	(1.01.05.03.01.14.01) 1.01.05.03.01.14.01	(7340-0) 7340-0	Issue FY94 well remediation and decommissioning status report to RL		FY95	12/31/94	12/31/94
FO	1R44BD0A0194001A 3.7.6.7	{RBA-95-240} 7340-00-0530	(R43U2) R43U2	(1.01.05.03.01.21.02) 1.01.05.03.01.21.02	(7340-0) 7340-0	CY94--Transmit effluent information system & onsite discharge information system data to Idaho National Engineering Laboratories		FY95	03/31/95	03/31/95
FO	1R44BD0A0194002A 3.7.6.7	{RBA-95-260} 7340-00-0050	(R43U2) R43U2	(1.01.05.03.01.21.02) 1.01.05.03.01.21.02	(7340-0) 7340-0	Issue the CY94 annual report on gaseous & liquid effluent discharge		FY95	07/31/95	07/31/95
FO	1R44BD0A0294030A 3.7.6.7	{RBA-95-250} 7340-00-0535	(R43U2) R43U2	(1.01.05.03.01.21.02) 1.01.05.03.01.21.02	(7340-0) 7340-0	Issue the CY94 report on environmental surveillance to RL		FY95	07/31/95	07/31/95
RL	1R44DE00009515A 3.7.6.7	{RBA-95-315} 7340-00-0360	(R43U3) R43U3	(1.01.05.03.01.21.03) 1.01.05.03.01.21.03	(7340-0) 7340-0	Provide final draft CY94 annual air emissions from the Hanford Site to RL for HQ		FY95	05/01/95	05/01/95

9/18/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2F. FY 1995 Program Milestone List

Type	Milestone		WHC WBS (FY 1994) FY 1995	RL WBS (FY 1994) FY 1995	ADS (FY94) FY95	Milestone Description	Baseline Revision Date	Baseline Authority	Baseline Completion Date	Estimated Completion Percent
	Unique ID HQ WBS	{SMS ID} FYP ID PTS ID								
FO	1R44DE00009518A 3.7.6.7	{RBA-95-330} 7340-00-0360	(R43U3) R43U3	(1.01.05.03.01.21.03) 1.01.05.03.01.21.03	(7340-0) 7340-0	Issue CY94 annual air emissions report to the EPA		FY95	06/30/95	06/30/95
RL	1R43U40A0A950A1A 3.7.6.7	{RBA-95-4A1}	() R43U4	() 1.01.05.03.01.21.03	() 7340-0	Issue draft CDR 296-A20 Stack for RL Review		MYPP FY95 Baseline	11/15/94	11/15/94
RL	1R43U40A0A951A2A 3.7.6.7	{RBA-95-4A2}	() R43U4	() 1.01.05.03.01.21.03	() 7340-0	Issue final CDR 296-A20 Stack for RL Review		MYPP FY95 Baseline	03/31/95	03/31/95
RL	1R43U40A0B950B3A 3.7.6.7	{RBA-95-4B3}	() R43U4	() 1.01.05.03.01.21.03	() 7340-0	Conduct meetings to determine NESHAP Stack resolutions		MYPP FY95 Baseline	12/31/94	12/31/94
RL	1R43U40A0B950BDA 3.7.6.7	{RBA-95-4BD}	() R43U4	() 1.01.05.03.01.21.03	() 7340-0	FY94 4th Qtr NESHAP Status to RL for EPA		MYPP FY95 Baseline	10/31/94	10/31/94
RL	1R43U40A0B950BAA 3.7.6.7	{RBA-95-4BA}	() R43U4	() 1.01.05.03.01.21.03	() 7340-0	FY95 1st Qtr NESHAP Status to RL for EPA		MYPP FY95 Baseline	01/31/95	01/31/95
RL	1R43U40A0B950BAA 3.7.6.7	{RBA-95-4BB}	() R43U4	() 1.01.05.03.01.21.03	() 7340-0	FY95 2nd Qtr NESHAP Status to RL for EPA		MYPP FY95 Baseline	04/30/95	04/30/95
RL	1R43U40A0B950BAA 3.7.6.7	{RBA-95-4BC}	() R43U4	() 1.01.05.03.01.21.03	() 7340-0	FY95 3rd Qtr NESHAP Status to RL for EPA		MYPP FY95 Baseline	07/31/95	07/31/95
FO	1R44BB0A019537A 3.7.6.7	{RBB-95-210} 7340-00-0155	(R43V2) R43V2	(1.01.05.03.01.22.02) 1.01.05.03.01.22.02	(7340-0) 7340-0	Issue the FY94 annual Hanford network catalog of seismic events		FY95	12/31/94	12/31/94
TPA	3R43G3.94M2400FA 3.7.6.8	{RAG-95-305} 7340-1-0065 7340-01-1080	(R42G3) R42G3	(1.01.05.03.02.17.13) 1.01.05.03.02.17.13	(7340-01) 7340-01	M-24-00F, Install up to 50 RCRA groundwater monitoring wells in CY94 (if required)		MYPP FY93 Baseline	12/31/94	12/31/94
TPA	3R43G3.94M2430FA 3.7.6.8	{RAG-95-330} 7340-01-0015 7340-01-1353	(R42G3) R42G3	(1.01.05.03.02.17.13) 1.01.05.03.02.17.13	(7340-01) 7340-01	M-24-33 Install 1 more RCRA well around U-12 Crib		FY95	12/31/94	12/31/94

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2G. 1995 Milestone Description Sheets

MYPP 1995

WBS 1.01.05.03

MILESTONE DESCRIPTION SHEETS

TITLE: ISSUE 2ND QTR CY94 RPT FOR RCRA GRDWTR MONITORIN
DUE DATE: 10/31/94 DATE COMPLETED: //
REV DATE: // CIN AUTHORITY: Five Year Plan FY96
SMS ID: RAC-95-202 ADS = 7340-0 MILESTONE ID: 1R43C20A0194072A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 SITE WBS = 1.01.05.03.01.13.02 FY95 WHC WBS = R43C2
MILESTONE { } TPA { } DOE HQ { } RL { } WHC {X} FO
CLASS: KEY
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ { } RL { } REGULATORS {X} OTHER
DESCRIPTION: Issue 2nd Quarter CY94 report for RCRA groundwater monitoring program to state & federal regulators
Formal transmittal of the Report to the U.S. Department of Energy - Richland Operations Office constitutes completion.
RESPONSIBLE SCHEDULER S.B. ROAKES
PARTIES: COST ACCOUNT MANAGER J.S. SCHMID
ACTIVITY MANAGER M.T. YORK
DIVISION MANAGER M.R. ADAMS
APPROVALS: PROGRAM MANAGER R.R. Thompson R.R. THOMPSON 9/21/94 Date
DOE MONITOR M.J. Furman M.J. FURMAN 9/21/94 Date

TITLE: ISSUE 3RD QTR CY94 RPT FOR RCRA GRDWTR MONITORIN
DUE DATE: 01/31/95 DATE COMPLETED: //
REV DATE: // CIN AUTHORITY: Five Year Plan FY96
SMS ID: RAC-95-203 ADS = 7340-0 MILESTONE ID: 1R43C20A0194073A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 SITE WBS = 1.01.05.03.01.13.02 FY95 WHC WBS = R43C2
MILESTONE { } TPA { } DOE HQ { } RL { } WHC {X} FO
CLASS: KEY
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ { } RL { } REGULATORS {X} OTHER
DESCRIPTION: Issue 3rd Quarter CY94 report for RCRA groundwater monitoring program to state & federal regulators
Formal transmittal of the Report to the U.S. Department of Energy - Richland Operations Office constitutes completion.
RESPONSIBLE SCHEDULER S.B. ROAKES
PARTIES: COST ACCOUNT MANAGER J.S. SCHMID
ACTIVITY MANAGER M.T. YORK
DIVISION MANAGER M.R. ADAMS
APPROVALS: PROGRAM MANAGER R.R. Thompson R.R. THOMPSON 9/21/94 Date
DOE MONITOR M.J. Furman M.J. FURMAN 9/21/94 Date

MYPP 1995

WBS 1.01.05.03

MILESTONE DESCRIPTION SHEETS

TITLE: CY94 GRD WTR MONITORING REPORT TO STATE/FEDERAL
DUE DATE: 03/01/95 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** Five Year Plan FY95
SMS ID: RAC-95-220 **ADS = 7340-0** **MILESTONE ID:** 1R43C20A0194101A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.13.02** **FY95 WHC WBS = R43C2**
MILESTONE CLASS: { } TPA { } DOE HQ { } RL { } WHC {X} FO
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ { } RL {X} OTHER DOE
REGULATORS REVIEW
DESCRIPTION: Issue CY94 groundwater monitoring report to state & federal regulators
 Formal transmittal of the Report to the U.S. Department of Energy - Richland Operations
 Office constitutes completion.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
 Cost Account Manager J.S. SCHMID
 Activity Manager M.T. YORK
 Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson R.R. THOMPSON 9/21/94 Date
 DOE Monitor M.J. Furman M.J. FURMAN 9/21/94 Date

TITLE: ISSUE 4TH QTR CY94 RPT FOR RCRA GRDWTR MONITORIN
DUE DATE: 04/30/95 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** Five Year Plan FY96
SMS ID: RAC-95-204 **ADS = 7340-0** **MILESTONE ID:** 1R43C20A0194074A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.13.02** **FY95 WHC WBS = R43C2**
MILESTONE CLASS: { } TPA { } DOE HQ { } RL { } WHC {X} FO
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ { } RL { } REGULATORS {X} OTHER
DESCRIPTION: Issue 4th Quarter CY94 report for RCRA groundwater monitoring program to state &
 federal regulators
 Formal transmittal of the Report to the U.S. Department of Energy - Richland Operations
 Office constitutes completion.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
 Cost Account Manager J.S. SCHMID
 Activity Manager M.T. YORK
 Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson R.R. THOMPSON 9/21/94 Date
 DOE Monitor M.J. Furman M.J. FURMAN 9/21/94 Date

MYPP 1995

WBS 1.01.05.03

MILESTONE DESCRIPTION SHEETS

TITLE: ISSUE 1ST QTR CY95 RPT FOR RCRA GRDWTR MONITORIN
DUE DATE: 07/31/95 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** Five Year Plan FY96
SMS ID: RAC-95-211 **ADS = 7340-0** **MILESTONE ID:** 1R43C20A0195071A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.13.02** **FY95 WHC WBS = R43C2**
MILESTONE { } TPA { } DOE HQ { } RL { } WHC {X} FO
CLASS: KEY
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ { } RL { } REGULATORS {X} OTHER
DESCRIPTION: Issue 1st Quarter CY95 report for RCRA groundwater monitoring program to state & federal regulators
 Formal transmittal of the Report to the U.S. Department of Energy - Richland Operations Office constitutes completion.
RESPONSIBLE Scheduler S.B. ROAKES
PARTIES: Cost Account Manager J.S. SCHMID
 Activity Manager M.T. YORK
 Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson R.R. THOMPSON 9/21/94 Date
 DOE Monitor J. Furman M.J. FURMAN 9/21/94 Date

TITLE: ISSUE FY94 WELL REMEDIATION/DECOMM STATUS TO RL
DUE DATE: 12/31/94 **DATE COMPLETED:** //
REV DATE: 11/30/93 **CIN AUTHORITY:** Five Year Plan FY95
SMS ID: RAD-95-100 **ADS = 7340-0** **MILESTONE ID:** 1R43D1010A9401A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.14.01** **FY95 WHC WBS = R43D1**
MILESTONE { } TPA { } DOE HQ { } RL { } WHC {X} FO
CLASS: KEY
DELIVERABLE: { } REPORT { } LETTER { } DRAWING {X} OTHER
ADDRESSEE: { } HQ {X} RL { } REGULATORS { } OTHER
DESCRIPTION: Issue FY94 well remediation and decommissioning status report to RL
 Review the requirements governing RCRA well remediation and decommissioning and report the current status of Hanford RCRA wells by formal letter. Transmittal to the U.S. Department of Energy-Richland Operations Office constitutes completion.
RESPONSIBLE Scheduler S.B. ROAKES
PARTIES: Cost Account Manager M.G. GARDNER
 Activity Manager M.T. YORK
 Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson R.R. THOMPSON 9/21/94 Date
 DOE Monitor J. Furman M.J. FURMAN 9/21/94 Date

MYPP 1995

WBS 1.01.05.03

MILESTONE DESCRIPTION SHEETS

TITLE: REVIEW GRDWTR PROTECT. MGMT PLN (DOE/RL 89-12)
DUE DATE: 09/30/95 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** Five Year Plan FY95
SMS ID: RAC-95-330 **ADS =** 7340-0 **MILESTONE ID:** 1R43C30H0A95030A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS =** 1.01.05.03.01.13.03 **FY95 WHC WBS =** R43C3
MILESTONE { } TPA { } DOE HQ { } RL { } WHC {X} FO
CLASS: KEY
DELIVERABLE: { } REPORT { } LETTER { } DRAWING {X} OTHER PLAN
ADDRESSEE: { } HQ {X} RL { } REGULATORS { } OTHER
DESCRIPTION: FY95 Review the groundwater protection management plan (RL 89-12)
 Review the requirements governing Groundwater Protection Plans and report the current status of the Groundwater Protection plan by formal letter. Transmittal to the U.S. Department of Energy-Richland Operations Office constitutes completion.
RESPONSIBLE Scheduler S.B. ROAKES
PARTIES: Cost Account Manager J.D. SCHMID
 Activity Manager M.T. YORK
 Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson R.R. THOMPSON 9/21/94 Date
 DOE Monitor M.J. Furman M.J. FURMAN 9/21/94 Date

TITLE: M-24-00F INSTALL UP TO 50 RCRA GW WELLS IN CY94
DUE DATE: 12/31/94 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** MYPP FY93 Baseline
SMS ID: RAG-95-306 **ADS =** 7340-01 **MILESTONE ID:** 3R42G3.94M2400FA
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.8 **SITE WBS =** 1.01.05.03.02.17.13 **FY95 WHC WBS =** 3R42G3
MILESTONE {X} TPA { } DOE HQ { } RL { } WHC { } FO
CLASS: KEY
DELIVERABLE: { } REPORT { } LETTER { } DRAWING {X} OTHER
ADDRESSEE: { } HQ { } RL {X} REGULATORS {X} OTHER DOE REVIEW
DESCRIPTION: M-24-00F, Install up to 50 RCRA groundwater monitoring wells in CY94 (if required)
 Wells drilled, permanent casing and seals installed, developed, and ready to sample constitutes completion.
RESPONSIBLE Scheduler S.B. ROAKES
PARTIES: Cost Account Manager J.F. KELLER
 Activity Manager M.T. YORK
 Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson R.R. THOMPSON 9/21/94 Date
 DOE Monitor M.J. Furman M.J. FURMAN 9/21/94 Date

MYPP 1995

WBS 1.01.05.03

MILESTONE DESCRIPTION SHEETS

TITLE: M-24-33E INSTALL 1 MORE RCRA WELL BY U-12 CRIB
DUE DATE: 12/31/94 **DATE COMPLETED:** //
REV DATE: **CIN AUTHORITY:** M-24-94-1
SMS ID: RAG-95-330 **ADS =** 7340-01 **MILESTONE ID:** 2R42G3.94M2430FA
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.8 **SITE WBS =** 1.01.05.03.02.17.13 **FY95 WHC WBS =** 3R43G3
MILESTONE { } TPA { } DOE HQ { } RL { } WHC { } FO
CLASS: KEY
DELIVERABLE: { } REPORT { } LETTER { } DRAWING {X} OTHER
ADDRESSEE: { } HQ {X} RL {X} { } OTHER DOE
REGULATORS REVIEW
DESCRIPTION: M-24-33 Install 1 more RCRA well around U-12 Crib
Wells drilled, permanent casing and seals installed, developed, and ready to sample
constitutes completion.
RESPONSIBLE Scheduler S.B. ROAKES
PARTIES: Cost Account Manager J.F. KELLER
Activity Manager M.T. YORK
Division Manager M.R. ADAMS
APPROVALS: Program Manager [Signature] R.R. THOMPSON 9/21/94 Date
DOE Monitor [Signature] M.J. FURMAN 9/21/94 Date

TITLE: ISSUE THE FY94 ANNUAL HANFORD NETWORK CATALOG
DUE DATE: 12/31/94 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** Five Year Plan FY96
SMS ID: RBB-95-210 **ADS =** 7340-0 **MILESTONE ID:** 1R44BB0A019537A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS =** 1.01.05.03.01.22.02 **FY95 WHC WBS =** R43V2
MILESTONE { } TPA { } DOE HQ {X} RL { } WHC { } FO
CLASS: KEY
DELIVERABLE: { } REPORT { } LETTER { } DRAWING {X} OTHER
ADDRESSEE: { } HQ {X} RL { } REGULATORS { } OTHER
DESCRIPTION: Issue the FY94 annual Hanford network catalog of seismic events
The catalogue is a WHC report on seismic network operations presenting operational data
and observed seismic network events. This milestone is completed when the catalogue is
transmitted to the RL monitor by memorandum.
RESPONSIBLE Scheduler S.B. ROAKES
PARTIES: Cost Account Manager S.P. REIDEL
Activity Manager D.L. MITCHELL
Division Manager M.R. ADAMS
APPROVALS: Program Manager [Signature] R.R. THOMPSON 9/21/94 Date
DOE Monitor [Signature] M.J. FURMAN 9/21/94 Date

MYPP 1995

WBS 1.01.05.03

MILESTONE DESCRIPTION SHEETS

TITLE: CY94 TRANSMIT EIS/ODIS DATA REPORT TO INEL RL
DUE DATE: 03/31/95 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** Five Year Plan FY95
SMS ID: RBA-95-240 **ADS =** 7340-0 **MILESTONE ID:** 1R44BDOA0194001A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS =** 1.01.05.03.01.21.02 **FY95 WHC WBS =** R43U2
MILESTONE CLASS: { } TPA { } DOE HQ { } RL { } WHC {X} FO KEY
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ {X} RL { } REGULATORS { } OTHER
DESCRIPTION: CY94--Transmit effluent information system & onsite discharge information system data to Idaho National Engineering Laboratories
 This report is required to be submitted to Information Systems Branch, EG&G Idaho, Inc., by April 1. Submittal instructions are provided in Section II of the Effluent Information System & Onsite Discharge Information System (EIS/ODIS). The EIS/ODIS systems are intended to provide a permanent data base for all off/on site releases of radioactive material at DOE facilities.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
 Cost Account Manager L.P. DIEDIKER
 Activity Manager D.L. MITCHELL
 Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson 9/21/94 Date
 DOE Monitor M.J. Furman 9/21/94 Date

TITLE: CY94 ISS ANN RPTS ON GASEOUS & LIQ EFF DISCHARGE
DUE DATE: 07/31/95 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** Five Year Plan FY95
SMS ID: RBA-95-260 **ADS =** 7340-0 **MILESTONE ID:** 1R44BDOA0194002A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS =** 1.01.05.03.01.21.02 **FY95 WHC WBS =** R43U2
MILESTONE CLASS: { } TPA { } DOE HQ { } RL { } WHC {X} FO KEY
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ { } RL { } REGULATORS {X} OTHER
DESCRIPTION: Issue the CY94 annual report on gaseous & liquid effluent discharge
 This report presents calendar year rad/non-radiological effluent discharge data from facilities in the 1,2,3,4 & 600 areas of the Hanford Site. Solid waste storage & disposal data is furnished. Trends & comparisons to previous years are made. This report demonstrates compliance of Westinghouse Hanford Company operated facilities with applicable standards for Environmental releases.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
 Cost Account Manager L.P. DIEDIKER
 Activity Manager D.L. MITCHELL
 Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson 9/21/94 Date
 DOE Monitor M.J. Furman 9/21/94 Date

MYPP 1995

WBS 1.01.05.03

MILESTONE DESCRIPTION SHEETS

TITLE: ISSUE CY94 REPORT ON ENVIRON SURVEILLANCE TO RL
DUE DATE: 07/31/95 **DATE COMPLETED:** //
REV DATE: //
SMS ID: RBA-95-250 **ADS =** 7340-0 **CIN AUTHORITY:** Five Year Plan FY95
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING **MILESTONE ID:** 1R44BDOA0294030A
HQ WBS: 3.7.6.7 **SITE WBS =** 1.01.05.03.01.21.02 **FY95 WHC WBS =** R43U2
MILESTONE { } TPA { } DOE HQ { } RL { } WHC {X} FO
CLASS: KEY
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ {X} RL { } REGULATORS { } OTHER
DESCRIPTION: Issue the CY94 report on environmental surveillance to RL
Present results of near-field environmental surveillance for the Operations Area of the Hanford site, Richland, Wa. These activities are conducted in the 1,2,3,4 & 600 Areas to assess operational impact on the work environment.
RESPONSIBLE Scheduler S.B. ROAKES
PARTIES: Cost Account Manager L.P. DIEDIKER
Activity Manager D.L. MITCHELL
Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson 9/21/94 Date
DOE Monitor M.J. Furman 9/21/94 Date

TITLE: ISSUE CY94 ANNUAL AIR EMISSIONS REPORT TO EPA
DUE DATE: 06/30/95 **DATE COMPLETED:** //
REV DATE: //
SMS ID: RBA-95-330 **ADS =** 7340-0 **CIN AUTHORITY:** Five Year Plan FY95
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING **MILESTONE ID:** 1R44DE00009518A
HQ WBS: 3.7.6.7 **SITE WBS =** 1.01.05.03.01.21.03 **FY95 WHC WBS =** R43U3
MILESTONE { } TPA { } DOE HQ { } RL { } WHC {X} FO
CLASS: KEY
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ { } RL {X} REGULATORS {X} OTHER EPA
DESCRIPTION: Issue CY94 annual air emissions report to the EPA
Formal transmittal of the Annual Report to the U.S. Department of Energy - Richland Operations Office constitutes completion.
RESPONSIBLE Scheduler S.B. ROAKES
PARTIES: Cost Account Manager W.E. DAVIS
Activity Manager D.L. MITCHELL
Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson 9/21/94 Date
DOE Monitor M.J. Furman 9/21/94 Date

MYPP 1995

WBS 1.01.05.03

MILESTONE DESCRIPTION SHEETS

TITLE: PROVIDE DRAFT CY94 ANNUAL AIR EMISSIONS REPORT TO RL
DUE DATE: 05/01/95 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** Five Year Plan FY95
SMS ID: RBA-95-315 **ADS = 7340-0** **MILESTONE ID:** 1R44DE00009518A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.21.03** **FY95 WHC WBS = R43U3**
MILESTONE { } TPA { } DOE HQ {X} RL { } WHC { } FO
CLASS: KEY
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ { } RL {X} REGULATORS {X} OTHER EPA
DESCRIPTION: Provide final draft CY94 Annual Emissions from the Hanford Site to RL for HQ. Formal transmittal of the Draft data Annual Report to the U.S. Department of Energy - Richland Operations Office constitutes completion. HQ will issue to EPA in June.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
Cost Account Manager L.P. DIEDIKER
Activity Manager D.L. MITCHELL
Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson 9/21/94 Date
DOE Monitor M.J. Furman 9/21/94 Date

TITLE: CONDUCT MEETINGS TO DETERMINE NESHAP RESOLUTIONS
DUE DATE: 12/31/94 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** MYPP FY95
SMS ID: RBA-95-4B3 **ADS = 7340-0** **MILESTONE ID:** 1R43U40A0B950B3A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.21.04** **FY95 WHC WBS = R43U4**
MILESTONE { } TPA { } DOE HQ {X} RL { } WHC { } FO
CLASS: KEY
DELIVERABLE: { } REPORT {X} LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ {X} RL {X} REGULATORS {X} OTHER EPA
DESCRIPTION: Conduct meeting with the Regulators to determine final resolution for FFCA Stacks. Formal transmittal of a letter to RL describing the results of these meetings verifies completion of this milestone. The letter may recommend RL milestones worthy of being considered for Class I Change Control as additional scope in FY95 or out years.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
Cost Account Manager W.E. DAVIS
Activity Manager D.L. MITCHELL
Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson 9/21/94 Date
DOE Monitor M.J. Furman 9/21/94 Date

MYPP 1995

WBS 1.01.05.03

MILESTONE DESCRIPTION SHEETS

TITLE: ISSUE DRAFT CDR 296-A20 STACK FOR RL REVIEW
DUE DATE: 11/15/94 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** MYPP FY95
SMS ID: RBA-95-4A1 **ADS = 7340-0** **MILESTONE ID:** 1R43U40A0A950A1A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.21.04** **FY95 WHC WBS = R43U4**
MILESTONE { } TPA { } DOE HQ {X} RL { } WHC { } FO
CLASS: KEY
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ {X} RL {X} REGULATORS {X} OTHER EPA
DESCRIPTION: Issue the draft CDR for resolution of 296-A20 Stack to RL and Regulators for review. Formal transmittal of the CDR draft to the U.S. Department of Energy - Richland Operations Office verifies completion. WHC ROM Program Office will prepare a ghost letter for transmittal of the draft to the regulators.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
Cost Account Manager W.E. DAVIS
Activity Manager D.L. MITCHELL
Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson R.R. THOMPSON 9/21/94 Date
DOE Monitor J. Furman M.J. FURMAN 9/21/94 Date

TITLE: ISSUE FINAL CDR 296-A20 STACK FOR RL REVIEW
DUE DATE: 03/31/95 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** MYPP FY95
SMS ID: RBA-95-4A2 **ADS = 7340-0** **MILESTONE ID:** 1R43U40A0A950A2A
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.21.04** **FY95 WHC WBS = R43U4**
MILESTONE { } TPA { } DOE HQ {X} RL { } WHC { } FO
CLASS: KEY
DELIVERABLE: {X} REPORT { } LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ {X} RL {X} REGULATORS {X} OTHER EPA
DESCRIPTION: Issue the final CDR for resolution of 296-A20 Stack to RL and Regulators for review. Formal transmittal of the CDR final to the U.S. Department of Energy - Richland Operations Office verifies completion. WHC ROM Program Office will prepare a ghost letter for transmittal of the draft to the regulators.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
Cost Account Manager W.E. DAVIS
Activity Manager D.L. MITCHELL
Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson R.R. THOMPSON 9/21/94 Date
DOE Monitor J. Furman M.J. FURMAN 9/21/94 Date

MYPP 1995

WBS 1.01.05.03

MILESTONE DESCRIPTION SHEETS

TITLE: FY94 4TH QTR NESHAP STATUS TO RL FOR EPA
DUE DATE: 10/31/94 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** MYPP FY95
SMS ID: RBA-95-4BD **ADS = 7340-0** **MILESTONE ID:** 1R43U40A0B950BDA
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.21.04** **FY95 WHC WBS = R43U4**
MILESTONE { } TPA { } DOE HQ {X} RL { } WHC { } FO
CLASS: KEY
DELIVERABLE: { } REPORT {X} LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ {X} RL {X} {X} OTHER EPA
REGULATORS
DESCRIPTION: Prepare and Issue the 4th qtr FY94 NESHAP status letter to RL for the Regulators. Formal transmittal of the status letter to the U.S. Department of Energy - Richland Operations Office verifies completion. WHC ROM Program Office will prepare a ghost letter for transmittal of the draft to the regulators.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
Cost Account Manager W.E. DAVIS
Activity Manager D.L. MITCHELL
Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson 9/21/94 Date
DOE Monitor J. Furman 9/21/94 Date

TITLE: FY95 1ST QTR NESHAP STATUS TO RL FOR EPA
DUE DATE: 01/31/95 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** MYPP FY95
SMS ID: RBA-95-4BA **ADS = 7340-0** **MILESTONE ID:** 1R43U40A0B950BAA
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.21.04** **FY95 WHC WBS = R43U4**
MILESTONE { } TPA { } DOE HQ {X} RL { } WHC { } FO
CLASS: KEY
DELIVERABLE: {X} REPORT {X} LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ {X} RL {X} {X} OTHER EPA
REGULATORS
DESCRIPTION: Prepare and Issue the 1st qtr FY95 NESHAP status letter to RL for the Regulators. Formal transmittal of the status letter to the U.S. Department of Energy - Richland Operations Office verifies completion. WHC ROM Program Office will prepare a ghost letter for transmittal of the draft to the regulators.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
Cost Account Manager W.E. DAVIS
Activity Manager D.L. MITCHELL
Division Manager M.R. ADAMS
APPROVALS: Program Manager R.R. Thompson 9/21/94 Date
DOE Monitor J. Furman 9/21/94 Date

MYPP 1995

WBS 1.01.05.03

MILESTONE DESCRIPTION SHEETS

TITLE: FY95 2ND QTR NESHAP STATUS TO RL FOR EPA
DUE DATE: 04/30/95 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** MYPP FY95
SMS ID: RBA-95-4BB **ADS = 7340-0** **MILESTONE ID:** 1R43U40A0B950BDA
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.21.04** **FY95 WHC WBS = R43U4**
MILESTONE CLASS: { } TPA { } DOE HQ {X} RL { } WHC { } FO
DELIVERABLE: { } REPORT {X} LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ {X} RL {X} OTHER EPA
DESCRIPTION: Prepare and Issue the 2nd qtr FY95 NESHAP status letter to RL for the Regulators. Formal transmittal of the status letter to the U.S. Department of Energy - Richland Operations Office verifies completion. WHC ROM Program Office will prepare a ghost letter for transmittal of the draft to the regulators.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
Cost Account Manager W.E. DAVIS
Activity Manager D.L. MITCHELL
Division Manager M.R. ADAMS
APPROVALS: Program Manager *R.R. Thompson* R.R. THOMPSON *9/21/94* Date
DOE Monitor *M.J. Furman* M.J. FURMAN *9/21/94* Date

TITLE: FY95 3RD QTR NESHAP STATUS TO RL FOR EPA
DUE DATE: 07/31/95 **DATE COMPLETED:** //
REV DATE: // **CIN AUTHORITY:** MYPP FY95
SMS ID: RBA-95-4BC **ADS = 7340-0** **MILESTONE ID:** 1R43U40A0B950BAA
ASSIGNEE: WBS 1.01.05.03 RCRA MONITORING
HQ WBS: 3.7.6.7 **SITE WBS = 1.01.05.03.01.21.04** **FY95 WHC WBS = R43U4**
MILESTONE CLASS: { } TPA { } DOE HQ {X} RL { } WHC { } FO
DELIVERABLE: {X} REPORT {X} LETTER { } DRAWING { } OTHER
ADDRESSEE: { } HQ {X} RL {X} OTHER EPA
DESCRIPTION: Prepare and Issue the 3rd qtr FY95 NESHAP status letter to RL for the Regulators. Formal transmittal of the status letter to the U.S. Department of Energy - Richland Operations Office verifies completion. WHC ROM Program Office will prepare a ghost letter for transmittal of the draft to the regulators.
RESPONSIBLE PARTIES: Scheduler S.B. ROAKES
Cost Account Manager W.E. DAVIS
Activity Manager D.L. MITCHELL
Division Manager M.R. ADAMS
APPROVALS: Program Manager *R.R. Thompson* R.R. THOMPSON *9/21/94* Date
DOE Monitor *M.J. Furman* M.J. FURMAN *9/21/94* Date

9/17/94

MYPP 1995

RCRA & OPERATIONAL MONITORING PROGRAM

WBS 1.01.05.03

WHC-SP-1124

2H.

Program Cost Baseline

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2H1. Cost Baseline Summary				PLANNING CASE				(\$ X 1000)
Program Element / ADS #	Fund Type (OP, CE, GPP, LI)	FY 1995 Pres	FY 1996 Funds	FY 1997 Funds	FY 1998 Funds	FY 1999 Funds	FY 2000 Funds	
1.01.05.03.1 / 7340-0	OP	25,338	27,602	36,128	39,840	40,781	41,934	
	CE	2,000	2,000	3,000	3,000	3,000	3,000	
1.01.05.03.2 / 7340-1	OP	1007	2,125	2,189	2,255	2,323	2,392	
	LI		9,000	3,018	2,000	1,982	2,000	
Total Program Cost Summary	OP	26,345	29,727	38,317	42,095	43,104	44,326	
	CE	2,000	2,000	3,000	3,000	3,000	3,000	
	GPP	0	0	0	0	0	0	
	LI	0	9,000	3,018	2,000	1,982	2,000	
Grand Total		28,345	40,727	44,335	47,095	48,086	49,326	

NOTE:

The Values found in these tables reflect the values in the Final ADS Documentation Set that was released in May 1994. Target Dollar Values in this Version are reduced by 10% below the Original Target Values that were calculated by The Resource Planning Module (RPM). This 10% was considered as Productivity Challenge as the Funding Level was decreased and the Scope of Work was not decreased.

MYPP 1995

WBS 1.01.05.03

2H1. Cost Baseline Summary				TARGET CASE				(\$ X 1000)
Program Element / ADS #	Fund Type (OP, CE, GPP, LI)	FY 1995 Pres	FY 1996 Funds	FY 1997 Funds	FY 1998 Funds	FY 1999 Funds	FY 2000 Funds	
1.01.05.03.1 / 7340-0	OP	22,598	18,194	26,666	30,513	29,814	29,877	
	CE	2,000	2,000	1,500	2,000	1,500	2,000	
1.01.05.03.2 / 7340-1	OP	600	0	636	655	675	695	
	LI	0	0	0	2,000	1,982	2,000	
Total Program Cost Summary	OP	23,198	18,194	27,302	31,168	30,489	30,572	
	CE	2,000	2,000	1,500	2,000	1,500	2,000	
	GPP	0	0	0	0	0	0	
	LI	0	0	0	2,000	1,982	2,000	
Grand Total		25,198	20,194	28,802	35,168	33,971	34,572	

NOTE:

The Values found in these tables reflect the values in the Final ADS Documentation Set that was released in May 1994. Target Dollar Values in this Version are reduced by 10% below the Original Target Values that were calculated by The Resource Planning Module (RPM). This 10% was considered as Productivity Challenge as the Funding Level was decreased and the Scope of Work was not decreased.

9/17/94

MYPP 1995

RCRA & OPERATIONAL MONITORING PROGRAM
WBS 1.01.05.03

WHC-SP-1124

2I. Program Cost Basis of Estimate

2I. Basis of Estimates

- Cost elements in the ROM Program are repetitive in nature. This annual repetition of the reports, products and services provides significant historical data as a primary "Basis of Estimate."
- The ROM Program has used the WHC provided Environmental Planning Development System (EPDS), Resource Planning Module (RPM) to formulate the out-year estimates in combination with known required changes in the work scope and historical data.
 - In March, 1994, the Five Year Plan Activity Data Sheets (ADS) were audited and validated by a team of experts chosen by the DOE. The findings of this audit were very favorable and the Program was at that time considered to have a "Valid Basis of Estimate."
 - It is important to note that the validation process at that time was conducted at the Cost Account Level. This is in contrast to an opinion that validation was only at the ADS Level.
- Starting in FY 1995, fully integrated, resource loaded, logic driven schedules have been generated to formulate the "Near Term Basis of Estimate" for planning. This in combination with the task package detail of program operations initiates activity based costing where cost is combined with scope and schedule.
- As experience with the new methods of Resource Loaded Schedules and full integration with the existing Costing Systems is gained, future Basis of Estimates will be more realistic as operational reality is blended with planning directives.
 - For FY95 implementation, the methods were being developed while the package was created. This situation has fully consumed our available staff. The real benefits from this new approach will likely not be seen or felt this year.

9/17/94

MYPP 1995

RCRA & OPERATIONAL MONITORING PROGRAM
WBS 1.01.05.03

WHC-SP-1124

2J. Program Waste Type Data

2J. Waste Type Data**Additional Waste Storage, Treatment, and Disposal Capability Needs**

- None

Waste Storage/Treatment, Disposal Issues

- None

NOTE: The RCRA and Operational Monitoring Program is chartered to drill in clean areas only. Drilling in clean areas means that no waste applicable to Section 2.5 of this document is planned to be generated.

MYPP 1995

WBS 1.01.05.03

2J. Waste Type Data**Projected Waste Volume Generation (cubic feet, gallons)**

Waste Type	FY 1994		FY 1995		FY 1996		FY97-2018		Planned TSD
	Liq.	Solid	Liq.	Solid	Liq.	Solid	Liq.	Solid	Facility / Program
HLW (Tank Waste)	0	0	0	0	0	0	0	0	N/A
TRU Waste	0	0	0	0	0	0	0	0	N/A
LLW	0	0	0	0	0	0	0	0	N/A
Mixed LLW	0	0	0	0	0	0	0	0	N/A
Hazardous Waste	0	0	0	0	0	0	0	0	N/A
Sanitary Waste	0	0	0	0	0	0	0	0	N/A

NOTE: The RCRA and Operational Monitoring Program is chartered to drill in clean areas only. Drilling in clean areas means that no waste applicable to Section 2.5 of this document is planned to be generated.

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2J. Waste Type Data**Projected Waste Volume Received from Other Facilities (cubic feet, gallons)**

Waste Type	FY 1994		FY 1995		FY 1996		FY97-2018		Planned TSD Facility / Program
	Liq.	Solid	Liq.	Solid	Liq.	Solid	Liq.	Solid	
HLW (Tank Waste)	0	0	0	0	0	0	0	0	N/A
TRU Waste	0	0	0	0	0	0	0	0	N/A
LLW	0	0	0	0	0	0	0	0	N/A
Mixed LLW	0	0	0	0	0	0	0	0	N/A
Hazardous Waste	0	0	0	0	0	0	0	0	N/A
Sanitary Waste	0	0	0	0	0	0	0	0	N/A

NOTE: The RCRA and Operational Monitoring Program is chartered to drill in clean areas only. Drilling in clean areas means that no waste applicable to Section 2.5 of this document is planned to be generated.

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2K. Program Planned Staffing (FTE)

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2K. Full-Time Equivalent Staff by Job Description

Job Family Only After 1996

JOB FAMILY							
Job category	1995	1996	1997	1998	1999	2000	2001
MANAGERS TOTAL	12.3	14.3	14.3	14.3	14.3	14.3	14.3
First line	8.3	9.3	9.3	9.3	9.3	9.3	9.3
General/executive							
Project/Program	2.0	3.0	3.0	3.0	3.0	3.0	3.0
Other	2.0	2.0	2.0	2.0	2.0	2.0	2.0
ENGINEERS TOTAL	20.2	25.5	25.5	25.5	23.5	23.5	23.5
Chemical	3.0	4.0	4.0	4.0	4.0	4.0	4.0
Civil							
Computer	3.2	4.0	4.0	4.0	4.0	4.0	4.0
Electrical							
Environmental	10.0	14.5	14.5	14.5	12.5	12.5	12.5
Industrial							
Mechanical							
Nuclear	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Petroleum/Mining							
Plant							
Quality Control	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Safety	2.0	1.0	1.0	1.0	1.0	1.0	1.0
Other							

MYPP 1995

WBS 1.01.05.03

2K. Full-Time Equivalent Staff by Job Description

Job Family Only After 1996

JOB FAMILY							
Job category	1995	1996	1997	1998	1999	2000	2001
SCIENTISTS TOTAL	28.4	32.3	32.3	32.3	32.3	32.3	32.3
Chemists	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Environmental	4.4	6.0	6.0	6.0	6.0	6.0	6.0
Geologists	21.0	23.3	23.3	23.3	23.3	23.3	23.3
Life							
Material							
Mathematicians							
Physicists							
Social							
Other							

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2K. Full-Time Equivalent Staff by Job Description

Job Family Only After 1996

JOB FAMILY							
Job category	1995	1996	1997	1998	1999	2000	2001
ADMIN/OTHER PROFESSIONALS TOT	21.8	21.8	21.8	21.8	21.8	21.8	21.8
Accountant/auditor	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Architect							
Buyers/procurement	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Communications							
Compliance inspectors	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Computer System Anal							
Cost Est/planner/sch	11.8	11.8	11.8	11.8	11.8	11.8	11.8
Health Physics	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Industrial Hygiene	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Lawyers							
Personnel/Labor Rela							
Physicians							
Physician Assis/Nurs							
Safeguard & Security							
Tech Writers & Edit							
Trainers							
Other							

MYPP 1995

WBS 1.01.05.03

2K. Full-Time Equivalent Staff by Job Description

Job Family Only After 1996

JOB FAMILY							
Job category	1995	1996	1997	1998	1999	2000	2001
GEN ADM/SECRETARY/CLERK TOTAL	13.4	14.2	14.2	14.2	14.2	14.2	14.2
Admin Assistants							
Office Clerks (Gen)	8.4	8.2	8.2	8.2	8.2	8.2	8.2
Office Clerks (Special)							
Secretaries	5.0	6.0	6.0	6.0	6.0	6.0	6.0
Typist/Word Process							
Other							
TECHNICIANS TOTAL	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Computer Oper/Coder							
Drafters							
Engrs/Tech							
Envir. Sci Technicians							
Health Phys. Technic.	20.0	20.0	20.0	20.0	20.0	20.0	20.0
Indus. Saf/Health Tech							
Instru/Control Tech	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Lab. Technicians							
Media Technicians							
Survey/Map Tech							
Other							

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2K. Full-Time Equivalent Staff by Job Description

Job Family Only After 1996

JOB FAMILY							
Job category	1995	1996	1997	1998	1999	2000	2001
CRAFTS TOTAL	15.9	15.9	15.9	15.9	15.9	15.9	15.9
Carpenters							
Electricians	2.0	2.0	2.0	2.0	2.0	2.0	2.0
HVAC							
Machinists							
Masons							
Millwrights	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Painters	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Plumbers/Pipefitters	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Struct/Metal Workers							
Vehic./Mob Equip Mech							
Welders	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Other	1.9	1.9	1.9	1.9	1.9	1.9	1.9
OPERATORS TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chemical System							
Drillers							
Lt. Vehicle Drivers							
Material Moving Equip							
Nuclear Plant							
Utilities Waste Proces							
Other							

MYPP 1995

WBS 1.01.05.03

2K. Full-Time Equivalent Staff by Job Description

Job Family Only After 1996

JOB FAMILY							
Job category	1995	1996	1997	1998	1999	2000	2001
LABOR & GEN WORKERS TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Firefighters							
Food Service							
Hand/Help Lab Gen							
Hand/Help Lab Spec							
Janitors/Cleaners							
Laundry Workers							
Security Guards							
Other							
TOTALS BY CATEGORIES							
EXEMPT	82.7	93.9	93.9	93.9	91.9	91.9	91.9
NON-EXEMPT NON BARGAINING	13.4	14.2	14.2	14.2	14.2	14.2	14.2
BARGAINING	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GRAND TOTALS	137.0	149.0	149.0	149.0	147.0	147.0	147.0

NOTE: As work at Hanford is privatized, FTE values will decrease because contracts and work orders do not address FTE staffing levels.

9/17/94

MYPP 1995

RCRA & OPERATIONAL MONITORING PROGRAM
WBS 1.01.05.03

WHC-SP-1124

2L. Program Building Blocks

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1995 Restricted Budget Data			(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1995	CUM FY 1995	Justification of Scope / Impact if not funded	
7340-0 (BA)	Environmental Effluent Monitoring (HPT) 1R43U1	A2	N/A	Expense	932	932	Clean Air Act, 40 CFR 61 / Unmonitored gaseous emissions	
7340-0 (BB)	Environmental Surveillance (HPT) of stabilized sites 1R43V4	A2	N/A	Expense	901	1,833	Ensure containment of contamination / Increased risk of contamination	
7340-0 (AA)	Program Management 1R43A1	B1	N/A	Expense	1027	2,860	Program planning and control / RCRA Monitoring would not exist	
7340-0 (AA)	Capital Equipment 2R435	B1	N/A	CENRTC	2000	4,860	New or Replacement equipment for environmental monitoring, 40 CFR 61, 40 CFR 265 / Monitoring equipment no longer functional as equipment fails	
7340-0 (BA)	NESHAP Compliance Support 1R43U4	B1	N/A	Expense	833	5,693	Study New or Replacement monitoring requirements for NESHAP Compliance / Noncompliance with EPA-NESHAP Orders	
7340-0 (BA)	Effluent & Environmental Monitoring 200/800 Area 1R43U2	B1	N/A	Expense	3532	9,225	Clean Air Act, 40 CFR 61 / Reporting requirements would be noncompliant and an unsafe practice if not performed	
7340-0 (BB)	Vadose Zone Monitoring 1R43V3	B1	N/A	Expense	1082	10,307	Monitors vadose zone for contamination spread / Expensive core sampling	
7340-0 (BB)	Seismic Monitoring 1R43V2	B1	N/A	Expense	422	10,729	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington / Could prohibit future construction at Hanford	
7340-0 (AD)	Groundwater Well Maintenance 1R43D1	B1	N/A	Expense	3084	13,813	Well must be maintained for groundwater monitoring, 40 CFR 265 / WAC-173-160 Voluntary compliance with Decomm requirements	
7340-0 (AC)	Purgewater Disposal 1R43C6	B1	N/A	Expense	100	13,913	Maintains Compliant disposition of Purgewater / Stored Purgewater would cause greater costs	
7340-0 (AC)	Groundwater Monitoring Well Sampling & Analysis 1R43C1	B1	N/A	Expense	7143	21,056	Samples collected & analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements / Noncompliance will place GW and public at risk	

GENERAL NOTE:

Noncompliance with referenced regulations can result in "Stop Work" or "Compliance Orders", fines and/or legal actions. Response to immediate compliance is not cost effective.

All items are Hanford Priority 33 except GW Well Maintenance, which is 36. All items are Grumbly Initiative #2.

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1995 Restricted Budget Data		(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1995	CUM FY 1995	Justification of Scope / Impact if not funded
7340-0 (AC)	Groundwater Project Scientist 1R43C3	B1	N/A	Expense	967	22,023	Technical support to Geoscience Monitoring activities / Loss of Geohydrological technical expertise, data evaluation, regulator response
7340-0 (AC)	RCRA Reporting and Data Management 1R43C2	B1	N/A	Expense	1127	23,150	RCRA, WAC, and 40 CFR 265 require data management of GW data / Noncompliance due to lack of complete records
7340-0 (AC)	Groundwater Support Activities 1R43C5	B1	N/A	Expense	607	23,757	Administrative support to Geoscience and the GW Monitoring activity, 40 CFR 265 / Loss of Geohydrological Oversight Infrastructure
7340-0 (BB)	Cribs, Ponds and Ditches 1R43V1	B1	N/A	Expense	694	24,451	Active liquid discharge sites must be monitored to ensure operating parameters are maintained / Unmonitored liquid discharges to soil column
7340-0 (BA)	Compliance/Technical Management 1R43U3	B1	N/A	Expense	147	24,598	Reporting & compliance with air emissions / Air Emissions Report not submitted to EPA
7340-1 (AG)	Groundwater Well Drilling Support 1R42G2	B1	M-24-00	Expense	600	25,198	Technical Support to GW Well Planning / Noncompliance with TPA and tech requirements
7340-1 (AG)	W-152 RCRA & Operational Well Drilling 3R42G3	B1	M-24-00	Line Item	0	25,198	IAG for GW well installation, 40 CFR 265 / Noncompliance with TPA 50 well requirements
7340-1 (AG)	RCRA GW Well Installation Productivity Challenge 1R42			Expense	60	25,258	IAG for GW well installation, 40 CFR 265 / Noncompliance with TPA 50 well requirements
7340-0 (AA-BB)	RCRA & Operational Monitoring Productivity Challenge 1R43			Expense	2,740	27,998	IAG for GW well installation, 40 CFR 265 / Noncompliance with TPA 50 well requirements
Total CENRTC					2,000		
Total Line Item					0		
Total Operating					23,198		
Expected FIN Plan Total					25,198		TARGET LEVEL minus Productivity Challenge
Target Level Scope Grand Total					27,998		TARGET LEVEL

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1995		Restricted Budget Data	(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1995	CUM FY 1995	Justification of Scope / Impact if not funded	
7340-1 (AG)	Groundwater Well Drilling Support 1R42G2	B1	M-24-00	Expense	347	28,345	Technical Support to GW Well Planning / Noncompliance with TPA 50 wells requirement	
7340-1 (AG)	W-152 RCRA & Operational Well Drilling 3R42G3	B1	M-24-00	Line Item	0	28,345	IAG for GW well installation, 40 CFR 265 / Noncompliance with TPA 50 wells requirement	
Total CENRTC					2,000			
Total Line Item					0			
Total Operating					26,345			
Grand Total						28,345		PLANNING LEVEL

GENERAL NOTE:

Noncompliance with referenced regulations can result in "Stop Work" or "Compliance Orders", fines and/or legal actions. Response to immediate compliance is not cost effective.

All items are Hanford Priority 33 except GW Well Maintenance, which is 36. All items are Grumbly Initiative #2.

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1996		Restricted Budget Information	(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1996	CUM FY 1996	Justification of Scope / Impact if not funded	
7340-0 (BA)	Environmental Effluent Monitoring (HPT) 1R43U1	A2	N/A	Expense	864	864	Clean Air Act, 40 CFR 61 / Unmonitored gaseous emissions	
7340-0 (BB)	Environmental Surveillance (HPT) of stabilized sites 1R43V4	A2	N/A	Expense	836	1,700	Ensure containment of contamination / Increased risk of contamination	
7340-0 (AA)	Program Management 1R43A1	B1	N/A	Expense	954	2,654	Program planning and control / RCRA Monitoring would not exist	
7340-0 (AA)	Capital Equipment 2R436	B1	N/A	CENRTC	2000	4,654	New or Replacement equipment for environmental monitoring, 40 CFR 61, 40 CFR 265 / Monitoring equipment no longer functional as equipment fails	
7340-0 (BA)	NESHAP Compliance Support 1R43U4	B1	N/A	Expense	787	5,441	Study New or Replacement monitoring requirements for NESHAP Compliance / Noncompliance with EPA-NESHAP Orders	
7340-0 (BA)	Effluent & Environmental Monitoring 200/600 Area 1R43U2	B1	N/A	Expense	3345	8,786	Clean Air Act, 40 CFR 61 / Reporting requirements would be noncompliant and an unsafe practice if not performed	
7340-0 (BB)	Vadose Zone Monitoring 1R43V3	B1	N/A	Expense	1008	9,794	Monitors vadose zone for contamination spread / Expensive core sampling	
7340-0 (BB)	Seismic Monitoring 1R43V2	B1	N/A	Expense	391	10,185	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington / Could prohibit future construction at Hanford	
7340-0 (AD)	Groundwater Well Maintenance 1R43D1	B1	N/A	Expense	2055	12,240	Well must be maintained for groundwater monitoring, 40 CFR 265 / WAC-173-160 Voluntary compliance with Decomm Requirements	
7340-0 (AC)	Purgewater Disposal 1R43C6	B1	N/A	Expense	109	12,349	Maintains Compliant disposition of Purgewater / Stored Purgewater would cause greater costs	
7340-0 (AC)	Groundwater Monitoring Well Sampling & Analysis 1R43C1	B1	N/A	Expense	6518	18,867	Samples collected & analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements / Noncompliance will place GW and public at risk	
7340-0 (AC)	RCRA Reporting and Data Management 1R43C2	B1	N/A	Expense	690	19,557	RCRA, WAC, and 40 CFR 265 require data management of GW data / Noncompliance due to lack of complete records	

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1996 Restricted Budget Information			(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1996	CUM FY 1996	Justification of Scope / Impact if not funded	
7340-0 (BB)	Cribs, Ponds and Ditches 1R43V1	B1	N/A	Expense	637	20,194	Active liquid discharge sites must be monitored to ensure operating parameters are maintained / Unmonitored liquid discharges to soil column	
7340-0 (AA-BB)	RCRA & Operational Monitoring Productivity Challenge 1R43			Expense	2,254	22,448	IAG for GW well installation, 40 CFR 265 / Noncompliance with TPA 50 well requirements	
Total CENRTC					2,000			
Total Line Item					0			
Total Operating					18,194			
Expected FIN Plan Total					20,194	TARGET LEVEL minus Productivity Challenge		
Target Level Scope Grand Total						22,448	TARGET LEVEL	

GENERAL NOTE:

Noncompliance with referenced regulations can result in "Stop Work" or "Compliance Orders", fines and/or legal actions. Response to immediate compliance is not cost effective.

All items are Hanford Priority 33 except GW Well Maintenance, which is 36. All items are Grumbly Initiative #2.

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1996		Restricted Budget Information	(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1996	CUM FY 1996	Justification of Scope / Impact if not funded	
7340-0 (AD)	Groundwater Well Maintenance 1R43D1	B1	N/A	Expense	997	23,445	Wells must be maintained for groundwater monitoring, 40 CFR 265 / WAC-173-160	
7340-0 (AC)	Groundwater Project Scientist 1R43C3	B1	N/A	Expense	1027	24,472	Technical support to Geoscience Monitoring activities / Loss of Geohydrological technical expertise, data evaluation, and regulator response	
7340-0 (AC)	RCRA Reporting and Data Management 1R43C2	B1	N/A	Expense	408	24,880	RCRA, WAC, and 40 CFR 265 require data management of GW data / Noncompliance due to lack of complete records	
7340-0 (AC)	Groundwater Support Activities 1R43C5	B1	N/A	Expense	245	25,125	Administrative support to Geoscience and the GW Monitoring activity, 40 CFR 265 / Loss of Geohydrological Oversight Infrastructure	
7340-0 (BA)	Compliance/Technical Management 1R43U3	B1	N/A	Expense	102	25,227	Reporting & compliance with Clean Air Act / Air Emissions Report not submitted to EPA	
7340-1 (AG)	Groundwater Well Drilling Support 1R42G1	B1	M-24-00	Expense	500	25,727	Technical Support to GW Well Planning / Noncompliance with TPA and tech requirements	
7340-1 (AG)	W-152 RCRA & Operational Well Drilling 3R42G3	B1	M-24-00	Line Item	10,000	35,727	IAG for GW well installation, 40 CFR 265 / Noncompliance with TPA 50 well requirement	
Future (BA)	NESHAP Compliance Project	B1	N/A	Line Item	5000	40,727	Upgrade Stack Monitors to support NESHAP, 40 CFR 261/ Noncompliance with EPA-NESHAP Orders (Funding required after FY94)	

Total CENRTC 2,000

Total Line Item 15,000

Total Operating 23,727

Grand Total 40,727

PLANNING LEVEL

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1997 TARGET CASE		(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1997	CUM FY 1997	Justification of Scope / Impact if not funded
7340-00 (BA)	Environmental Effluent Monitoring (HPT) 1R43U1	A2	N/A	Expense	994	994	Clean Air Act, 40 CFR 61 / Unmonitored gaseous emissions
7340-00 (BB)	Environmental Surveillance (HPT) of stabilized sites 1R43V4	A2	N/A	Expense	961	1,955	Ensure containment of contamination / Increased risk of contamination
7340-00 (AA)	Program Management 1R43A1	B1	N/A	Expense	1099	3,054	Program planning and control / RCRA Monitoring would not exist
7340-00 (AA)	Capital Equipment 2R437_	B1	N/A	CENRTC	1500	4,554	New or Replacement equipment for environmental monitoring, 40 CFR 61, 40 CFR 265 / Monitoring equipment no longer functional as equipment fails
7340-00 (BA)	NESHAP Compliance Support 1R43U4	B1	N/A	Expense	905	5,459	Study New or Replacement monitoring requirements for NESHAP Compliance and Maintain Reporting of air emissions, 40 CFR 61/ Noncompliance with EPA-NESHAP Orders or invalidation of CAA permit application
7340-00 (BA)	Effluent & Environmental Monitoring 200/800 Area 1R43U2	B1	N/A	Expense	3376	8,835	Clean Air Act, 40 CFR 61 / Reporting requirements would be noncompliant and an unsafe practice if not performed
7340-00 (BB)	Vadose Zone Monitoring 1R43V3	B1	N/A	Expense	994	9,829	Monitors vadose zone for contamination spread / Expensive core sampling
7340-00 (BB)	Seismic Monitoring 1R43V2	B1	N/A	Expense	450	10,279	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington / Could prohibit future construction at Hanford
7340-00 (AD)	Groundwater Well Maintenance and Decommissioning 1R43D1	B1	N/A	Expense	2254	12,533	Well must be maintained and decommissioned in support of groundwater monitoring and to prevent pathways to aquifers, 40 CFR 265 and Washington Administrative Code (WAC-173-160) / Failure to maintain and decommission wells could jeopardize GW monitoring program or present risks to GW aquifers
7340-00 (AC)	Purgewater Management 1R43C6	B1	N/A	Expense	234	12,767	Maintains Compliant disposition of Purgewater / Stored Purgewater would cause greater costs

GENERAL NOTE:

Noncompliance with referenced regulations can result in "Stop Work" or "Compliance Orders", fines and/or legal actions. Response to immediate compliance is not cost effective.

All items are Hanford Priority 33 except GW Well Maintenance, which is 38. All items are Grumbly Initiative #2.

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1997 TARGET CASE		(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1997	CUM FY 1997	Justification of Scope / Impact if not funded
7340-00 (AC)	Groundwater Monitoring Well Sampling & Analysis 1R43C1	B1	N/A	Expense	6635	19,402	Samples collected & analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements / Noncompliance will place GW and public at risk
7340-00 (AC)	Groundwater Project Scientist 1R43C3	B1	N/A	Expense	1032	20,434	Technical support to Geoscience Monitoring activities / Loss of Geohydrological technical expertise
7340-00 (AC)	RCRA Reporting and Data Management 1R43C2	B1	N/A	Expense	1294	21,728	RCRA, WAC, and 40 CFR 265 require data management of GW data / Noncompliance due to lack of records
7340-00 (AC)	Groundwater Support Activities 1R43C5	B1	N/A	Expense	647	22,375	Administrative support to Geoscience and the GW Monitoring activity, 40 CFR 265 / Loss of Geohydrological Oversight
7340-00 (BB)	Cribs, Ponds and Ditches 1R43V1	B1	N/A	Expense	500	22,875	Active liquid discharge sites must be monitored to ensure operating parameters are maintained / Unmonitored liquid discharges to soil column
7340-00 (BA)	Compliance/Technical Management 1R43U3	B1	N/A	Expense	149	23,024	Reporting & compliance with air emissions / Air Emissions Report not submitted to EPA
7340-01 (AG)	Groundwater Well Planning and Project Support for Groundwater Wells Drilling 1R42G2	B1	M-24-00	Expense	636	23,660	Technical Support to GW Well Planning and Support to the actual well drilling / Noncompliance with TPA
7340-01 (AG)	Groundwater Well Installation 3R42G3	B1	M-24-00	Line Item	0	23,660	IAG for GW well installation, 40 CFR 265 / Noncompliance with TPA
Future (??)	NESHAP Compliance Project	B1	N/A	Line Item	5000	28,660	Upgrade Stack Monitors to support NESHAP, 40 CFR 261 / Noncompliance with EPA-NESHAP Orders

Total CENRTC 1,500

Total Line Item 5,000

Total Operating 22,160

Grand Total 28,660

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1998 TARGET CASE		(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1998	CUM FY 1998	Justification of Scope / Impact if not funded
7340-00 (BA)	Environmental Effluent Monitoring (HPT) 1R43U1	A2	N/A	Expense	1017	1,017	Clean Air Act, 40 CFR 61 / Unmonitored gaseous emissions
7340-00 (BB)	Environmental Surveillance (HPT) of stabilized sites 1R43V4	A2	N/A	Expense	983	2,000	Ensure containment of contamination / Increased risk of contamination
7340-00 (AA)	Program Management 1R43A1	B1	N/A	Expense	1124	3,124	Program planning and control / RCRA Monitoring would not exist
7340-00 (AA)	Capital Equipment 2R437_	B1	N/A	CENRTC	1500	4,624	New or Replacement equipment for environmental monitoring, 40 CFR 61, 40 CFR 265 / Monitoring equipment no longer functional as equipment fails
7340-00 (BA)	NESHAP Compliance Support 1R43U4	B1	N/A	Expense	926	5,550	Study New or Replacement monitoring requirements for NESHAP Compliance and Maintain Reporting of air emissions, 40 CFR 61 / Noncompliance with EPA-NESHAP Orders or invalidation of CAA permit application
7340-00 (BA)	Effluent & Environmental Monitoring 200/600 Area 1R43U2	B1	N/A	Expense	3454	9,004	Clean Air Act, 40 CFR 61 / Reporting requirements would be noncompliant and an unsafe practice if not performed
7340-00 (BB)	Vadose Zone Monitoring 1R43V3	B1	N/A	Expense	1017	10,021	Monitors vadose zone for contamination spread / Expensive core sampling
7340-00 (BB)	Seismic Monitoring 1R43V2	B1	N/A	Expense	461	10,482	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington / Could prohibit future construction at Hanford
7340-00 (AD)	Groundwater Well Maintenance and Decommissioning 1R43D1	B1	N/A	Expense	5517	15,999	Well must be maintained and decommissioned in support of groundwater monitoring and to prevent pathways to aquifers, 40 CFR 265 and Washington Administrative Code (WAC-173-160) / Failure to maintain and decommission wells could jeopardize GW monitoring program or present risks to GW aquifers
7340-00 (AC)	Purgewater Management 1R43C6	B1	N/A	Expense	240	16,239	Maintains Compliant disposition of Purgewater / Stored Purgewater would cause greater costs

GENERAL NOTE:

Noncompliance with referenced regulations can result in "Stop Work" or "Compliance Orders", fines and/or legal actions. Response to immediate compliance is not cost effective.

All items are Hanford Priority 33 except GW Well Maintenance, which is 36. All items are Grumbly Initiative #2.

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1998 TARGET CASE		(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1998	CUM FY 1998	Justification of Scope / Impact if not funded
7340-00 (AC)	Groundwater Monitoring Well Sampling & Analysis 1R43C1	B1	N/A	Expense	6789	23,028	Samples collected & analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements / Noncompliance will place GW and public at risk
7340-00 (AC)	Groundwater Project Scientist 1R43C3	B1	N/A	Expense	1055	24,083	Technical support to Geoscience Monitoring activities / Loss of Geohydrological technical expertise
7340-00 (AC)	RCRA Reporting and Data Management 1R43C2	B1	N/A	Expense	1324	25,407	RCRA, WAC, and 40 CFR 265 require data management of GW data / Noncompliance due to lack of records
7340-00 (AC)	Groundwater Support Activities 1R43C5	B1	N/A	Expense	662	26,069	Administrative support to Geoscience and the GW Monitoring activity, 40 CFR 265 / Loss of Geohydrological Oversight
7340-00 (BB)	Cribs, Ponds and Ditches 1R43V1	B1	N/A	Expense	300	26,369	Active liquid discharge sites must be monitored to ensure operating parameters are maintained / Unmonitored liquid discharges to soil column
7340-00 (BA)	Compliance/Technical Management 1R43U3	B1	N/A	Expense	144	26,513	Reporting & compliance with air emissions / Air Emissions Report not submitted to EPA
7340-01 (AG)	Groundwater Well Planning and Project Support for Groundwater Wells Drilling 1R42G2	B1	M-24-00	Expense	655	27,168	Technical Support to GW Well Planning and Support to the actual well drilling / Noncompliance with TPA
7340-01 (AG)	Groundwater Well Installation 3R42G3	B1	M-24-00	Line Item	0	27,168	IAG for GW well installation, 40 CFR 265 / Noncompliance with TPA
Future (??)	NESHAP Compliance Project	B1	N/A	Line Item	5000	32,168	Upgrade Stack Monitors to support NESHAP, 40 CFR 261 / Noncompliance with EPA-NESHAP Orders

Total CENRTC 1,500

Total Line Item 5,000

Total Operating 25,668

Grand Total 32,168

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1999 TARGET CASE		(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1999	CUM FY 1999	Justification of Scope / Impact if not funded
7340-00 (BA)	Environmental Effluent Monitoring (HPT) 1R43U1	A2	N/A	Expense	1078	1,078	Clean Air Act, 40 CFR 61 / Unmonitored gaseous emissions
7340-00 (BB)	Environmental Surveillance (HPT) of stabilized sites 1R43V4	A2	N/A	Expense	1042	2,120	Ensure containment of contamination / Increased risk of contamination
7340-00 (AA)	Program Management 1R43A1	B1	N/A	Expense	1189	3,309	Program planning and control / RCRA Monitoring would not exist
7340-00 (AA)	Capital Equipment 2R437_	B1	N/A	CENRTC	1500	4,809	New or Replacement equipment for environmental monitoring, 40 CFR 61, 40 CFR 265 / Monitoring equipment no longer functional as equipment fails
7340-00 (BA)	NESHAP Compliance Support 1R43U4	B1	N/A	Expense	991	5,800	Study New or Replacement monitoring requirements for NESHAP Compliance and Maintain Reporting of air emissions, 40 CFR 61/ Noncompliance with EPA-NESHAP Orders or invalidation of CAA permit application
7340-00 (BA)	Effluent & Environmental Monitoring 200/600 Area 1R43U2	B1	N/A	Expense	3660	9,460	Clean Air Act, 40 CFR 61 / Reporting requirements would be noncompliant and an unsafe practice if not performed
7340-00 (BB)	Vadose Zone Monitoring 1R43V3	B1	N/A	Expense	1078	10,538	Monitors vadose zone for contamination spread / Expensive core sampling
7340-00 (BB)	Seismic Monitoring 1R43V2	B1	N/A	Expense	488	11,026	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington / Could prohibit future construction at Hanford
7340-00 (AD)	Groundwater Well Maintenance and Decommissioning 1R43D1	B1	N/A	Expense	4216	15,242	Well must be maintained and decommissioned in support of groundwater monitoring and to prevent pathways to aquifers, 40 CFR 265 and Washington Administrative Code (WAC-173-160) / Failure to maintain and decommission wells could jeopardize GW monitoring program or present risks to GW aquifers
7340-00 (AC)	Purgewater Management 1R43C6	B1	N/A	Expense	254	15,496	Maintains Compliant disposition of Purgewater / Stored Purgewater would cause greater costs

GENERAL NOTE:

Noncompliance with referenced regulations can result in "Stop Work" or "Compliance Orders", fines and/or legal actions. Response to immediate compliance is not cost effective.

All items are Hanford Priority 33 except GW Well Maintenance, which is 36. All items are Grumbly Initiative #2.

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 1999 TARGET CASE		(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 1999	CUM FY 1999	Justification of Scope / Impact if not funded
7340-00 (AC)	Groundwater Monitoring Well Sampling & Analysis 1R43C1	B1	N/A	Expense	7193	22,689	Samples collected & analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements / Noncompliance will place GW and public at risk
7340-00 (AC)	Groundwater Project Scientist 1R43C3	B1	N/A	Expense	1118	23,807	Technical support to Geoscience Monitoring activities / Loss of Geohydrological technical expertise
7340-00 (AC)	RCRA Reporting and Data Management 1R43C2	B1	N/A	Expense	1403	25,210	RCRA, WAC, and 40 CFR 265 require data management of GW data / Noncompliance due to lack of records
7340-00 (AC)	Groundwater Support Activities 1R43C5	B1	N/A	Expense	702	25,912	Administrative support to Geoscience and the GW Monitoring activity, 40 CFR 265 / Loss of Geohydrological Oversight
7340-00 (BB)	Cribs, Ponds and Ditches 1R43V1	B1	N/A	Expense	250	26,162	Active liquid discharge sites must be monitored to ensure operating parameters are maintained / Unmonitored liquid discharges to soil column
7340-00 (BA)	Compliance/Technical Management 1R43U3	B1	N/A	Expense	152	26,314	Reporting & compliance with air emissions / Air Emissions Report not submitted to EPA
7340-01 (AG)	Groundwater Well Planning and Project Support for Groundwater Wells Drilling 1R42G2	B1	M-24-00	Expense	675	26,989	Technical Support to GW Well Planning and Support to the actual well drilling / Noncompliance with TPA
7340-01 (AG)	Groundwater Well Installation 3R42G3	B1	M-24-00	Line Item	0	26,989	IAG for GW well installation, 40 CFR 265 / Noncompliance with TPA
Future (??)	NESHAP Compliance Project	B1	N/A	Line Item	5000	31,989	Upgrade Stack Monitors to support NESHAP, 40 CFR 261 / Noncompliance with EPA-NESHAP Orders

Total CENRTC 1,500

Total Line Item 5,000

Total Operating 25,489

Grand Total 31,989

9/17/94

MYP 1995

WBS 1.01.05.03

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

2L Building Blocks

FY 2000

TARGET CASE

(\$ in 000)

ADS (TDD)	Description	RL	TPA MS #	Fund Type	FY	CUM FY	Justification of Scope / Impact if not funded
7340-00	Environmental Effluent Monitoring (HPT)	1R43U1	A2	N/A	Expense	1059	Clean Air Act, 40 CFR 61 / Unmonitored gaseous emissions
7340-00	Environmental Surveillance (HPT) of stabilized sites	1R43V4	A2	N/A	Expense	1024	Ensure containment of contamination / Increased risk of contamination
7340-00	Program Management	1R43A1	B1	N/A	Expense	1169	Program planning and control / RCRA Monitoring would not exist
7340-00	Capital Equipment	2R437	B1	N/A	CENRTC	1500	New or Replacement equipment for environmental monitoring, 40 CFR 61, 40 CFR 265 / Monitoring equipment no longer functional as equipment fails
7340-00	NESHAP Compliance Support	1R43U4	B1	N/A	Expense	959	Study New or Replacement monitoring requirements for NESHAP Compliance and Maintain Reporting of air emissions, 40 CFR 61 / Noncompliance with EPA-NESHAP Orders or invalidation of CAA permit application
7340-00	Effluent & Environmental Monitoring 200/600 Area	1R43U2	B1	N/A	Expense	3596	Clean Air Act, 40 CFR 61 / Reporting requirements would be noncompliant and an unsafe practice if not performed
7340-00	Vadose Zone Monitoring	1R43V3	B1	N/A	Expense	1059	Monitors vadose zone for contamination spread / Expensive core sampling
7340-00	Seismic Monitoring	1R43V2	B1	N/A	Expense	479	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington / Could prohibit future construction at Hanford
7340-00	Groundwater Well Maintenance and Decommissioning	1R43D1	B1	N/A	Expense	4141	Well must be maintained and decommissioned in support of groundwater monitoring and to prevent pathways to aquifers, 40 CFR 265 and Washington Administrative Code (WAC-173-160) / Failure to maintain and decommission wells could jeopardize GW monitoring program or present risks to GW aquifers
7340-00	Purgewater Management	1R43C6	B1	N/A	Expense	258	Maintains Compliant disposition of Purgewater / Stored Purgewater would cause greater costs

GENERAL NOTE:

Noncompliance with referenced regulations can result in "Stop Work" or "Compliance Orders", fines and/or legal actions. Response to immediate compliance is not cost effective.

All items are Hanford Priority 33 except GW Well Maintenance, which is 36. All items are Grumbly Initiative #2.

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 2000 TARGET CASE		(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 2000	CUM FY 2000	Justification of Scope / Impact if not funded
7340-00 (AC)	Groundwater Monitoring Well Sampling & Analysis 1R43C1	B1	N/A	Expense	7067	22,311	Samples collected & analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements / Noncompliance will place GW and public at risk
7340-00 (AC)	Groundwater Project Scientist 1R43C3	B1	N/A	Expense	1099	23,410	Technical support to Geoscience Monitoring activities / Loss of Geohydrological technical expertise
7340-00 (AC)	RCRA Reporting and Data Management 1R43C2	B1	N/A	Expense	1378	24,788	RCRA, WAC, and 40 CFR 265 require data management of GW data / Noncompliance due to lack of records
7340-00 (AC)	Groundwater Support Activities 1R43C5	B1	N/A	Expense	689	25,477	Administrative support to Geoscience and the GW Monitoring activity, 40 CFR 265 / Loss of Geohydrological Oversight
7340-00 (BB)	Cribs, Ponds and Ditches 1R43V1	B1	N/A	Expense	250	25,727	Active liquid discharge sites must be monitored to ensure operating parameters are maintained / Unmonitored liquid discharges to soil column
7340-00 (BA)	Compliance/Technical Management 1R43U3	B1	N/A	Expense	150	25,877	Reporting & compliance with air emissions / Air Emissions Report not submitted to EPA
7340-01 (AG)	Groundwater Well Planning and Project Support for Groundwater Wells Drilling 1R42G2	B1	M-24-00	Expense	695	26,572	Technical Support to GW Well Planning and Support to the actual well drilling / Noncompliance with TPA
7340-01 (AG)	Groundwater Well Installation 3R42G3	B1	M-24-00	Line Item	0	26,572	IAG for GW well installation, 40 CFR 265 / Noncompliance with TPA
Future (??)	NESHAP Compliance Project	B1	N/A	Line Item	5000	31,572	Upgrade Stack Monitors to support NESHAP, 40 CFR 261 / Noncompliance with EPA-NESHAP Orders

Total CENRTC 1,500

Total Line Item 5,000

Total Operating 25,072

Grand Total 31,572

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 2001 TARGET CASE		(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 2001	CUM FY 2001	Justification of Scope / Impact if not funded
7340-00 (BA)	Environmental Effluent Monitoring (HPT) 1R43U1	A2	N/A	Expense	1200	1,200	Clean Air Act, 40 CFR 61 / Unmonitored gaseous emissions
7340-00 (BB)	Environmental Surveillance (HPT) of stabilized sites 1R43V4	A2	N/A	Expense	1100	2,300	Ensure containment of contamination / Increased risk of contamination
7340-00 (AA)	Program Management 1R43A1	B1	N/A	Expense	1250	3,550	Program planning and control / RCRA Monitoring would not exist
7340-00 (AA)	Capital Equipment 2R437	B1	N/A	CENRTC	3000	6,550	New or Replacement equipment for environmental monitoring, 40 CFR 61, 40 CFR 265 / Monitoring equipment no longer functional as equipment fails
7340-00 (BA)	NESHAP Compliance Support 1R43U4	B1	N/A	Expense	1000	7,550	Study New or Replacement monitoring requirements for NESHAP Compliance and Maintain Reporting of air emissions, 40 CFR 61 / Noncompliance with EPA-NESHAP Orders or invalidation of CAA permit application
7340-00 (BA)	Effluent & Environmental Monitoring 200/600 Area 1R43U2	B1	N/A	Expense	3750	11,300	Clean Air Act, 40 CFR 61 / Reporting requirements would be noncompliant and an unsafe practice if not performed
7340-00 (BB)	Vadose Zone Monitoring 1R43V3	B1	N/A	Expense	1250	12,550	Monitors vadose zone for contamination spread / Expensive core sampling
7340-00 (BB)	Seismic Monitoring 1R43V2	B1	N/A	Expense	600	13,150	Maintain surveillance of the Hanford Site and surrounding portion of eastern Washington / Could prohibit future construction at Hanford
7340-00 (AD)	Groundwater Well Maintenance and Decommissioning 1R43D1	B1	N/A	Expense	5000	18,150	Well must be maintained and decommissioned in support of groundwater monitoring and to prevent pathways to aquifers, 40 CFR 265 and Washington Administrative Code (WAC-173-160) / Failure to maintain and decommission wells could jeopardize GW monitoring program or present risks to GW aquifers
7340-00 (AC)	Purgewater Management 1R43C6	B1	N/A	Expense	275	18,425	Maintains Compliant disposition of Purgewater / Stored Purgewater would cause greater costs

GENERAL NOTE:

Noncompliance with referenced regulations can result in "Stop Work" or "Compliance Orders", fines and/or legal actions. Response to immediate compliance is not cost effective.

All items are Hanford Priority 33 except GW Well Maintenance, which is 36. All items are Grumbly Initiative #2.

MYPP 1995

WBS 1.01.05.03

2L. Building Blocks					FY 2001 TARGET CASE		(\$ in 000)
ADS (TDD)	Description	RL Pri	TPA MS #	Fund Type	FY 2001	CUM FY 2001	Justification of Scope / Impact if not funded
7340-00 (AC)	Groundwater Monitoring Well Sampling & Analysis 1R43C1	B1	N/A	Expense	9100	27,525	Samples collected & analyzed in support of RCRA, SDWA, CWA, and 40 CFR 265 requirements / Noncompliance will place GW and public at risk
7340-00 (AC)	Groundwater Project Scientist 1R43C3	B1	N/A	Expense	1250	28,775	Technical support to Geoscience Monitoring activities / Loss of Geohydrological technical expertise
7340-00 (AC)	RCRA Reporting and Data Management 1R43C2	B1	N/A	Expense	1450	30,225	RCRA, WAC, and 40 CFR 265 require data management of GW data / Noncompliance due to lack of records
7340-00 (AC)	Groundwater Support Activities 1R43C5	B1	N/A	Expense	750	30,975	Administrative support to Geoscience and the GW Monitoring activity, 40 CFR 265 / Loss of Geohydrological Oversight
7340-00 (BB)	Cribs, Ponds and Ditches 1R43V1	B1	N/A	Expense	250	31,225	Active liquid discharge sites must be monitored to ensure operating parameters are maintained / Unmonitored liquid discharges to soil column
7340-00 (BA)	Compliance/Technical Management 1R43U3	B1	N/A	Expense	175	31,400	Reporting & compliance with air emissions / Air Emissions Report not submitted to EPA
7340-01 (AG)	Groundwater Well Planning and Project Support for Groundwater Wells Drilling 1R42G2	B1	M-24-00	Expense	750	32,150	Technical Support to GW Well Planning and Support to the actual well drilling / Noncompliance with TPA
7340-01 (AG)	Groundwater Well Installation 3R42G3	B1	M-24-00	Line Item	0	32,150	IAG for GW well installation, 40 CFR 265 / Noncompliance with TPA
Future (??)	NESHAP Compliance Project	B1	N/A	Line Item	5000	37,150	Upgrade Stack Monitors to support NESHAP, 40 CFR 261 / Noncompliance with EPA-NESHAP Orders

Total CENRTC 3,000

Total Line Item 5,000

Total Operating 29,150

Grand Total 37,150

3. FY95 Fiscal Year Work Plan

3A. Cost Estimate Baseline by Month

3A1. Cost Baseline Summary/Program Element - Operating Expense

3A2. Program Summary/Cost Element - Operating Expense

3A3. Program Element/Cost Element Summary - Operating Expense

3A4. Cost Baseline Summary - ADS/Fund Type

3A5. Cost Baseline Summary - CENRTC

3A6. Cost Baseline Summary - GPP

3A7. Cost Baseline Summary - Line Item

3B. Program Funding Requirement

3C. Program Workscope Carryover Summary

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

3A1. COST ESTIMATE BASELINE				PROGRAM ELEMENT - OPERATING EXPENSE												(\$ IN 000)
<u>RL</u> <u>WBS</u>	<u>WBS</u> <u>TITLE</u>	<u>ADS</u> <u>NUMBER</u>	<u>ADS</u> <u>TITLE</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>TOTAL</u>
1.01.05.03.1	RCRA & OPERATIONAL MONITORING	7340-0	RCRA & OPERATIONAL MONITORING	1,877	1,789	1,801	2,246	1,730	1,744	2,211	1,776	1,753	2,180	1,733	1,758	22,598
			PRODUCTIVITY CHALLENGE	227	217	218	274	210	211	268	215	213	264	210	213	2,740
1.01.05.03.2	RCRA GW WELL INSTALLATION	7340-1	RCRA GW WELL INSTALLATION	25	25	25	25	100	100	100	50	50	50	25	25	600
			PRODUCTIVITY CHALLENGE	3	2	2	3	10	10	10	5	5	5	2	3	60
TOTAL				2,132	2,033	2,046	2,548	2,050	2,065	2,589	2,046	2,021	2,499	1,970	1,999	25,998

MYPP 1995

WBS 1.01.05.03

3A2. PROGRAM SUMMARY / COST ELEMENT - OPERATING EXPENSE (\$ IN 000)

<u>COST ELEMENT</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>TOTAL</u>
0 - Labor	672	638	651	804	653	656	826	645	634	779	613	567	8,138
1 - Materials	66	63	64	84	64	65	80	66	64	78	64	68	828
2 - Purchased Services	208	188	178	220	178	181	226	182	181	224	175	190	2,331
- Productivity Challenge	230	219	220	277	220	221	278	220	218	269	212	216	2,800
3 - Other Contractors	377	374	374	474	374	377	477	374	373	474	371	448	4,867
4 - Site Services	47	45	46	56	46	47	57	47	46	55	46	48	586
5 - Internal Charges	2	2	2	2	2	2	2	2	2	2	2	2	24
6 - IRM	21	20	21	25	21	21	25	21	21	25	19	17	257
7 - Departmental Overhead	214	204	208	257	209	210	262	207	204	251	198	178	2,602
8 - G&A / CSP	295	280	282	349	283	285	356	282	278	342	270	265	3,567
TOTAL	2,132	2,033	2,046	2,548	2,050	2,065	2,589	2,046	2,021	2,499	1,970	1,999	25,998

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

3A3. PROGRAM SUMMARY / COST ELEMENT - OPERATING EXPENSE

(\$ IN 000)

<u>RL WBS</u>	<u>WBS TITLE</u>	<u>COST ELEMENT</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>TOTAL</u>
1.01.05.03.1	RCRA & OPERATIONAL MONITORING	0 - Labor	658	624	637	790	638	640	810	631	604	749	599	553	7,931
		1 - Materials	65	62	63	83	83	84	79	84	63	77	63	67	813
		2 - Purchased Services	208	188	178	220	178	181	226	182	181	224	175	190	2,331
		- Productivity Chall.	227	217	218	274	210	211	268	215	213	264	210	213	2,740
		3 - Other Contractors	377	374	374	474	314	317	417	354	373	474	371	448	4,667
		4 - Site Services	45	43	44	54	44	45	55	45	44	53	44	48	562
		5 - Internal Charges	2	2	2	2	2	2	2	2	2	2	2	2	24
		6 - IRM	21	20	21	25	21	21	25	21	21	25	19	17	257
		7 - Department Overhead	210	200	204	253	203	204	254	203	195	242	194	174	2,538
		8 - G&A / CSP	281	276	278	345	269	270	341	274	270	334	266	261	3,475
		SUBTOTAL	2,104	2,008	2,019	2,520	1,940	1,955	2,478	1,991	1,986	2,444	1,943	1,971	25,339
1.01.05.03.2	RCRA GW WELL INSTALLATION	0 - Labor	14	14	14	14	17	16	16	14	30	30	14	14	207
		1 - Materials	1	1	1	1	1	1	1	2	1	1	1	1	13
		2 - Purchased Services	0	0	0	0	0	0	0	0	0	0	0	0	0
		- Productivity Chall	3	2	2	3	10	10	10	5	5	5	2	3	60
		3 - Other Contractors	0	0	0	0	60	60	60	20	0	0	0	0	200
		4 - Site Services	2	2	2	2	2	2	2	2	2	2	2	2	24
		5 - Internal Charges	0	0	0	0	0	0	0	0	0	0	0	0	0
		6 - IRM	0	0	0	0	0	0	0	0	0	0	0	0	0
		7 - Department Overhead	4	4	4	4	6	6	6	4	9	9	4	4	64
		8 - G&A / CSP	4	4	4	4	14	15	15	8	8	8	4	4	92
		SUBTOTAL	28	27	27	28	110	110	110	55	55	55	27	28	660
		TOTAL	2,132	2,033	2,046	2,548	2,050	2,065	2,588	2,046	2,021	2,499	1,970	1,999	25,999

MYPP 1995

WBS 1.01.05.03

3A4. COST BASELINE SUMMARY - ADS/FUND TYPE

(\$ x 1000)

RL WBS	WBS TITLE	ADS NUMBER	ADS TITLE	OPERATING EXPENSE		CENRTC		GPP		LINE ITEM		TOTAL
				FY95 BA	FY94 CARRYOVER	FY95 BA	FY94 CARRYOVER	FY95 BA	FY94 CARRYOVER	FY95 BA	FY94 CARRYOVER	
1.01.05.03.1	RCRA & OPERATIONAL MONITORING	7340-0	RCRA & OPERATIONAL MONITORING	22,588	0	2,000	0	0	0	0	0	24,588
1.01.05.03.2	RCRA GW WELL INSTALLATION	7340-1	RCRA GW WELL INSTALLATION	600	0	0	0	0	0	0	6,600	7,200
0												
TOTAL				23,188	0	2,000	0	0	0	0	6,600	31,788

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

3A5. COST BASELINE SUMMARY - CENRTC

(\$ x 1000)

<u>RL</u> <u>WBS</u>	<u>WBS</u> <u>TITLE</u>	<u>ADS</u> <u>NUMBER</u>	<u>ADS</u> <u>TITLE</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>TOTAL</u>
1.01.05.03.1	RCRA & OPERATIONAL MONITORING	7340-0	RCRA & OPERATIONAL MONITORING	0	0	0	0	0	0	0	0	0	0	0	2,000	2,000
1.01.05.03.2	RCRA GW WELL INSTALLATION	7340-1	RCRA GW WELL INSTALLATION	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL				0	0	0	0	0	0	0	0	0	0	0	2,000	2,000

MYPP 1995

WBS 1.01.05.03

3A6. COST BASELINE SUMMARY - GPP

(\$ x 1000)

<u>RL</u> <u>WBS</u>	<u>WBS</u> <u>TITLE</u>	<u>ADS</u> <u>NUMBER</u>	<u>ADS</u> <u>TITLE</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>TOTAL</u>
1.01.05.03.1	RCRA & OPERATIONAL MONITORING	7340-0	RCRA & OPERATIONAL MONITORING	0	0	0	0	0	0	0	0	0	0	0	0	0
1.01.05.03.2	RCRA GW WELL INSTALLATION	7340-1	RCRA GW WELL INSTALLATION	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL				0	0	0	0	0	0	0	0	0	0	0	0	0

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

3A7. COST BASELINE SUMMARY - LINE ITEM																(\$ x 1000)
RL WBS	WBS TITLE	ADS NUMBER	ADS TITLE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1.01.05.03.1	RCRA & OPERATIONAL MONITORING	7340-0	RCRA & OPERATIONAL MONITORING	0	0	0	0	0	0	0	0	0	0	0	0	0.0
1.01.05.03.2	RCRA GW WELL INSTALLATION	7340-1	RCRA GW WELL INSTALLATION	0	0	0	0	0	0	0	0	0	0	0	0	0.0
TOTAL				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

3B. Program Funding Requirement

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

3B. PROGRAM FUNDING REQUIREMENT																	(\$ IN 000)
RL WBS	WBS TITLE	ADS NUMBER	ADS TITLE	FUND TYPE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
APPROVED FUNDING																	
1.01.05.03.1	RCRA & OPERATIONAL MONITORING	7340-0	RCRA & OPERATIONAL MONITORING	OE	1,877	1,789	1,801	2,246	1,730	1,744	2,211	1,776	1,753	2,180	1,733	1,758	22,598.0
				CE	0	0	0	0	0	0	0	0	0	0	0	2,000	2,000.0
				GPP	0	0	0	0	0	0	0	0	0	0	0	0	0.0
				LI	0	0	0	0	0	0	0	0	0	0	0	0	0.0
				SUBTOTAL	1,877.0	1,789.0	1,801.0	2,246.0	1,730.0	1,744.0	2,211.0	1,776.0	1,753.0	2,180.0	1,733.0	3,758.0	24,598.0
1.01.05.03.2	RCRA GW WELL INSTALLATION	7340-1	RCRA GW WELL INSTALLATION	OE	25	25	25	25	100	100	100	50	50	50	25	25	600.0
				CE	0	0	0	0	0	0	0	0	0	0	0	0	0.0
				GPP	0	0	0	0	0	0	0	0	0	0	0	0	0.0
				LI	0	0	0	0	0	0	0	0	0	0	0	0	0.0
				SUBTOTAL	25.0	25.0	25.0	25.0	100.0	100.0	100.0	50.0	50.0	50.0	25.0	25.0	600.0
APPROVED FUNDING TOTAL					1,902.0	1,814.0	1,826.0	2,271.0	1,830.0	1,844.0	2,311.0	1,826.0	1,803.0	2,230.0	1,758.0	3,783.0	25,198.0

MYPP 1995

WBS 1.01.05.03

3B. PROGRAM FUNDING REQUIREMENT																	(\$ IN 000)	
RL WBS	WBS TITLE	ADS NUMBER	ADS TITLE	FUND TYPE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL	
UNFUNDED WORKSCOPE		7340-0	New workscope to support public hearing and final closure of TSD Facility 2727-S and new Workscope to demonstrate Vadose Zone Monitoring.															
		7340-1	Existing workscope to complete the Groundwater Monitoring Well at U-12 in support of TPA M-24-33F & M-24-00F.															
1.01.05.03.1	RCRA & OPERATIONAL MONITORING	7340-0	RCRA & OPERATIONAL MONITORING	OE	20	20	20	20	25	40	40	25	25	15	15	15	280.0	
				CE	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
				GPP	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
				U	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
				SUBTOTAL	20.0	20.0	20.0	20.0	25.0	40.0	40.0	25.0	25.0	15.0	15.0	15.0	280.0	
1.01.05.03.2	RCRA GW WELL INSTALLATION	7340-1	RCRA GW WELL INSTALLATION	OE	50	50	0	0	0	0	0	0	0	0	0	0	100.0	
				CE	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
				(LI-W-152 to be funded by ADS 7340-1 carryover)	GPP	0	0	0	0	0	0	0	0	0	0	0	0	0.0
				U	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
				SUBTOTAL	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
UNFUNDED WORKSCOPE TOTAL					70.0	70.0	20.0	20.0	25.0	40.0	40.0	25.0	25.0	15.0	15.0	15.0	380.0	
PROGRAM REQUIREMENTS TOTAL					1,972.0	1,884.0	1,846.0	2,291.0	1,855.0	1,884.0	2,351.0	1,851.0	1,828.0	2,245.0	1,773.0	3,798.0	25,578.0	

9/17/94

MYPP 1995

RCRA & OPERATIONAL MONITORING PROGRAM

WBS 1.01.05.03

WHC-SP-1124

3C. FY 1994 Program Carryover Summary

9/17/94

RCRA & OPERATIONAL MONITORING PROGRAM

WHC-SP-1124

MYPP 1995

WBS 1.01.05.03

3C. FY94 PROGRAM CARRYOVER SUMMARY

<u>WBS#</u>	<u>ADS#</u>	<u>MILESTONE/SCOPE DESCRIPTION</u>	<u>DRIVERS (e.g. TPA, DOE ORDER, COMPLIANCE, CONTROLLED MILESTONE)</u>	<u>FY95 FUNDING REQUIRED</u>	<u>FY94 FUNDING AVAILABLE</u>
1.01.05.03.1	7340-0	None Expected.	No carryover is expected from FY94.	\$0.00M	\$0.00M
1.01.05.03.2	7340-1	None Expected.	No carryover is expected from FY94.	\$0.00M	\$0.00M

Note: This table addresses Expense Funds only.

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