4 PROJECT SPECIFICATIONS

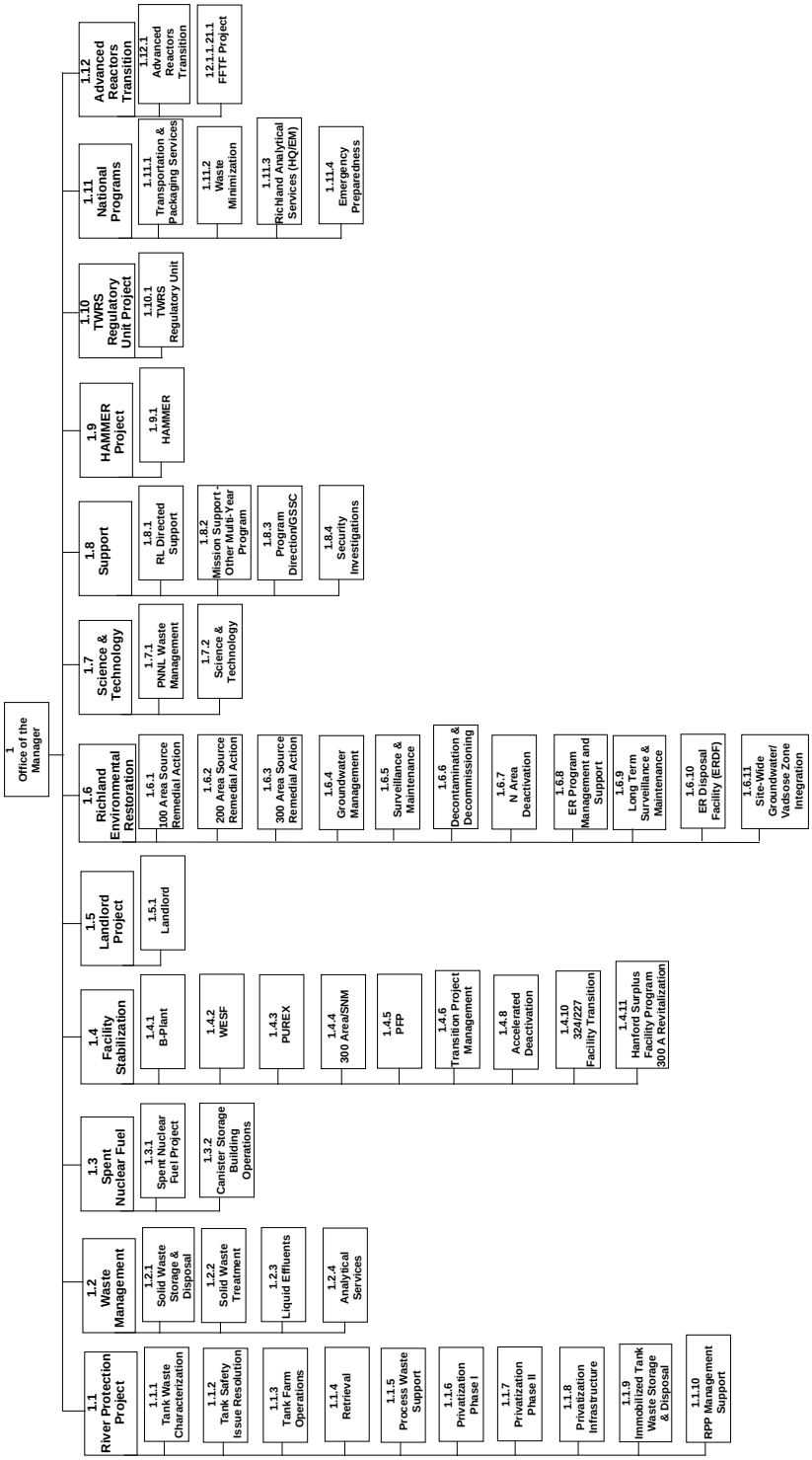
4.1 INTRODUCTION

This section contains the specifications for each technical project at the Hanford Site. Projects are identified consistent with the Project Hanford Breakdown Structure in Figure 4-1. This section contains descriptive material, requirements, and planning assumptions that are specific to the individual projects. The requirements and planning assumptions contained in Section 4.0 are in addition to the requirements and planning assumptions contained in Sections 2.0 and 3.0. The Tri-Party Agreement (TPA) requirements are captured in separate sections to emphasize their importance. For this document, the only TPA requirements that are listed are the ones that involve the treatment, storage, or disposition of waste and nuclear materials.

The Waste, Material and Geographic Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford cleanup effort is structured. Each mission area and project partially support each of these goals per scope of work described in Prime Contract. As an aggregate all mission areas and projects when put together will fullfill requirements of the Hanford Strategic Plan. The goals which the mission areas and projects support are called out in this document This is done for reference, not to assign complete responsibility for the goal to a given project. Details of project assignments are contained in the project planing documentation. As records of decision are issued, the texts of these goals will be amended to reflect their content.

As such, "Material and Waste Goals" identified in the subsequent sub-sections cover only the partial goals described in the respective Prime Contract. Details of assignments of the partial goals are contained in the project planning documents.

Figure 4-1 Project Hanford Breakdown Structure



4.2 FDH CONTRACT REQUIREMENTS

The contractor (FDH) shall be responsible for the accomplishment of all work described in the PHMC.

The contractor is expected to subcontract the work of the Hanford Site projects (except where otherwise noted) to firms considered among the "best in class" for the work involved in that project.

The contractor shall organize to optimally manage and support the Hanford Site projects contained in the PHMC (see Section J, Appendix J of the contract) and to provide direct support to individual RL managers in the accomplishment of project completion. Section 4.2 covers projects managed by FDH and the following subcontractors: Waste Management Federal Services of Hanford, Inc.; B&W Hanford Company; DynCorp Tri-Cities Services, Inc.; and DE&S Hanford, Inc..

Concurrence: DD Wodrich
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Approved ~~by:~~ for Jackson Kinzer
R. T. French, Manager
Office of River Protection,
U.S. Department of Energy

27 September 1999
~~8 July 1999~~.

4.2.1 River Protection Project

The River Protection Project (RPP), formerly known as the Tank Waste Remediation System (TWRS) Project, mission scope includes the activities needed to (1) resolve safety issues and provide an approved authorization basis for operations; (2) operate, maintain, and upgrade the tank farms and supporting infrastructure; (3) construct, operate, and maintain facilities that are necessary for waste storage, retrieval, treatment, immobilization, and storage or disposal; (4) characterize, retrieve, pretreat, and immobilize the waste for disposal; (5) provide for the disposition of the cesium and strontium capsule contents; (6) provide disposal of immobilized low-activity waste (ILAW) on-site; (7) provide interim storage of immobilized high-level waste (IHLW) until it is shipped to the national geologic repository; and (8) provide for the closure and decontamination and decommissioning (D&D) of RPP facilities and post-closure monitoring.

4.2.1.a Project Structure

Below is the current Project Structure for RPP. This structure will likely be changed due the following organizational announcement.

As directed by Congress in Section 3139 of the Strom Thurmond National Defense Authorization Act for Fiscal Year 1999, the Department has established the Office of River Protection at the Hanford Site. The Office of River Protection is responsible for managing all aspects of the River Protection Project, including the "privatized" contract for treating and immobilizing the tank waste, and the non-privatized operations, maintenance, engineering, and construction activities in the tank farms. The Department has taken the following action to ensure the Office's success:
- The Office of River Protection has been organized to report directly to the Department's Assistant Secretary for Environmental Management, and the Office of River Protection Manager has been empowered to make key decisions in an expedited manner.
- The Department is staffing the Office of River Protection with highly skilled professionals. Project-critical expertise is being acquired, particularly in fixed-price contract management, private sector financial market analysis, project management, cost estimating, and safety analysis.
- A disciplined project management planning and control approach is being instituted to manage the tank waste cleanup as an integrated system.
- The Department is ensuring that the types of contracts used are tailored to the work being done, considering complexity, uncertainties, and risk.
- New and innovative ways to conduct the work and complete the mission are being sought through improved understanding and management of risks, and by exploring the merits of new ideas and alternatives.

The new office of river protection provides the Department a better way to communicate this critical goal to DOE employees, contractors, stakeholders, citizens, and Congress. The Department believes that the formation of this Office meets the intent of Congress and will be successful in treating Hanford's tank waste because:
- Urgency: The ORP comes at a critical time. The tanks are aging, many have leaked and the only permanent solution is to remove the waste form the tanks and dispose of it.

- Top-notch Management: A national search is being conducted to find the best available talent to fill the key ORP management positions.
- Accountability: The formation of ORP makes essentially one organization and one manager accountable for the success of the project.
- Better Organization : The ORP is organized as an integrated team with a clear chain of command.
- Attention: The name "Office of River Protection" emphasizes the critical importance of the project to the nation; and the Manager, Office of River Protection, reports directly to the Assistant Secretary for Environmental Management to help ensure top Department and Administration attention.

- Tank Waste Characterization (RL-TW01)
- Tank Safety Issue Resolution (RL-TW02)
- Tank Farm Operations (RL-TW03)
- Retrieval (RL-TW04)
- Process Waste Support (RL-TW05)
- Privatization Phase I (RL-TW06)
- Privatization Phase II (RL-TW07)
- Privatization Infrastructure (RL-TW08)
- Immobilized Tank Waste Storage & Disposal (RL-TW09)
- RPP Management Support (RL-TW10)

4.2.1.b Hanford Strategic Plan Goals

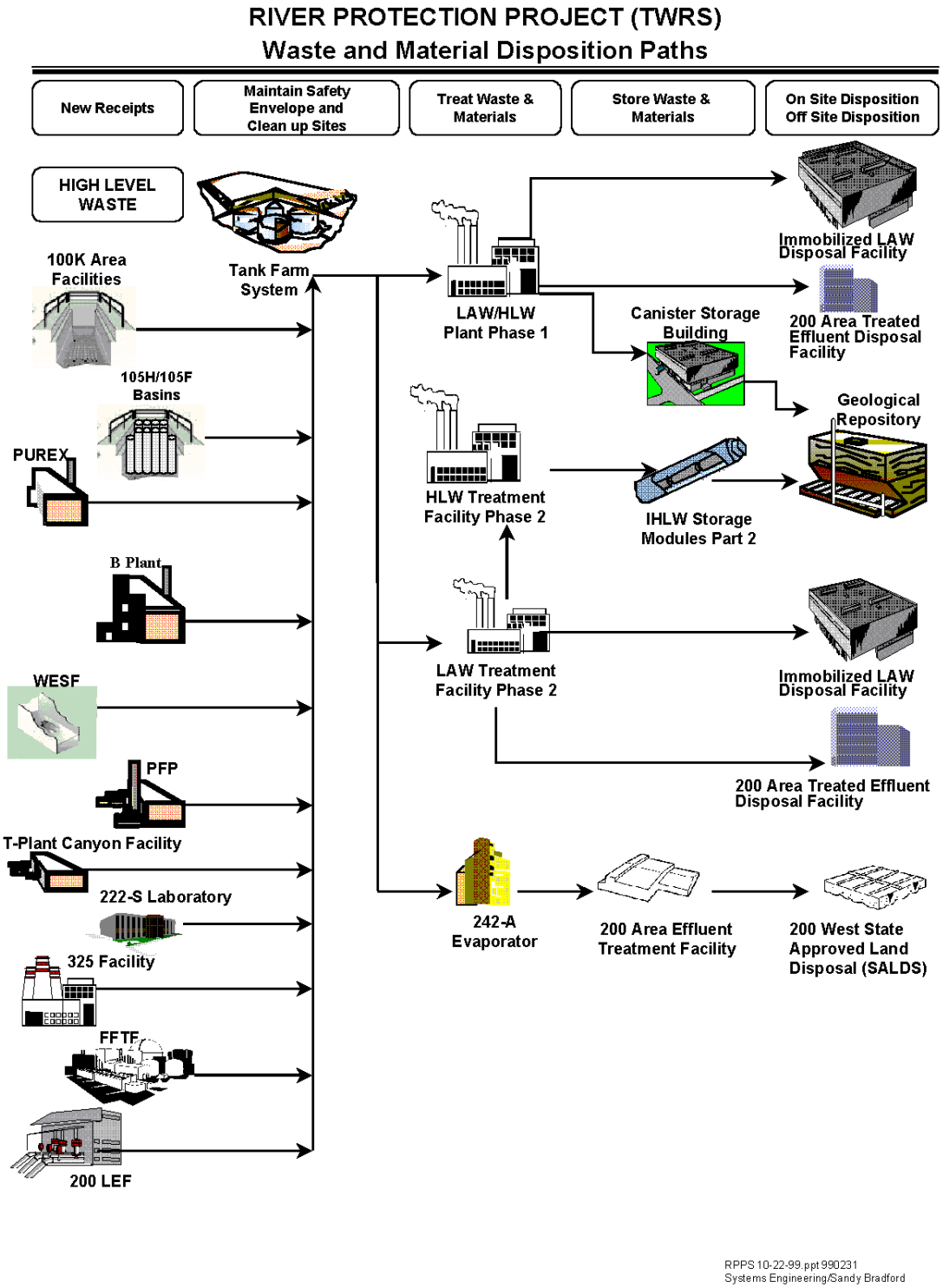
The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- The 200 Areas and central plateau will be used for the management of nuclear materials and the collection and disposal of waste materials that remain onsite and for other related and compatible uses. Cleanup levels and disposal standards will be established that are consistent with these long-term uses.
- Tank waste from both SSTs and DSTs will be retrieved for immobilization. Waste will be separated into high-level (HLW) and low-activity (LAW) fractions. LAW will be immobilized and disposed of onsite. HLW will be immobilized for disposal in an offsite federal repository.
- Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.
- Surplus facilities will be decommissioned and decontaminated sufficiently to enable removal or closure through entombment.

4.2.1.c Technical Logic

Figure 4-2 presents the material flow/logic for the RPP.

Figure 4-2 River Protection Project Material/Flow Logic



4.2.1.d Facility Life-Cycle Responsibility Assignments

Table 4-1 River Protection Project Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
CP Soil Site Operable Units	RL-ER10					RL-ER02 RL-ER05	RL-ER02 RL-ER07
209A					RL-TW03	RL-TW03	RL-TW04
213W					RL-TW03	RL-TW03	RL-TW04
216A271						RL-TW03	RL-TW04
220A					RL-TW03	RL-TW03	RL-TW04
2402EA					RL-TW03	RL-TW03	RL-TW04
241A271					RL-TW03	RL-TW03	RL-TW04
241A271A					RL-TW03	RL-TW03	RL-TW04
241A401					RL-TW03	RL-TW03	RL-TW04
241A431					RL-TW03	RL-TW03	RL-TW04
241A701					RL-TW03	RL-TW03	RL-TW04
241A702					RL-TW03	RL-TW03	RL-TW04
241AX501					RL-TW03	RL-TW03	RL-TW04
241AX801A					RL-TW03	RL-TW03	RL-TW04
241AX801B					RL-TW03	RL-TW03	RL-TW04
241AX801C					RL-TW03	RL-TW03	RL-TW04
241B701					RL-TW03	RL-TW03	RL-TW04
241BY254					RL-TW03	RL-TW03	RL-TW04
241BY301					RL-TW03	RL-TW03	RL-TW04
241BY302					RL-TW03	RL-TW03	RL-TW04
241BY302A					RL-TW03	RL-TW03	RL-TW04
241C51					RL-TW03	RL-TW03	RL-TW04
241C51A					RL-TW03	RL-TW03	RL-TW04
241C51B					RL-TW03	RL-TW03	RL-TW04
241C73					RL-TW03	RL-TW03	RL-TW04
241C90					RL-TW03	RL-TW03	RL-TW04
241C91					RL-TW03	RL-TW03	RL-TW04
241CR271					RL-TW03	RL-TW03	RL-TW04
241S271					RL-TW03	RL-TW03	RL-TW04
241SX271					RL-TW03	RL-TW03	RL-TW04
241SX281					RL-TW03	RL-TW03	RL-TW04
241SX701					RL-TW03	RL-TW03	RL-TW04
241T601					RL-TW03	RL-TW03	RL-TW04
241T701					RL-TW03	RL-TW03	RL-TW04
241TX701					RL-TW03	RL-TW03	RL-TW04
241U271					RL-TW03	RL-TW03	RL-TW04
241U701					RL-TW03	RL-TW03	RL-TW04
241UR					RL-TW03	RL-TW03	RL-TW04
242S					RL-TW03	RL-TP10	RL-TW04
242S702					RL-TW03	RL-TW03	RL-TW04
242T					RL-TW03	RL-TP10	RL-TW04
242T601					RL-TW03	RL-TW03	RL-TW04
242TA						RL-TW03	RL-TW04
242TB					RL-TW03	RL-TW03	RL-TW04
242TC					RL-TW03	RL-TW03	RL-TW04
244A					RL-TW03	RL-TW03	RL-TW04
244AR					RL-TW03	RL-TW03	RL-TW04
244AR701					RL-TW03	RL-TW03	RL-TW04
244AR715					RL-TW03	RL-TW03	RL-TW04
244BX					RL-TW03	RL-TW03	RL-TW04
244CR					RL-TW03	RL-TW03	RL-TW04
244S					RL-TW03	RL-TW03	RL-TW04
244S271					RL-TW03	RL-TW03	RL-TW04
244TX					RL-TW03	RL-TW03	RL-TW04
244TXR						RL-TW03	RL-TW04
244U					RL-TW03	RL-TW03	RL-TW04
244U1					RL-TW03	RL-TW03	RL-TW04
254BY					RL-TW03	RL-TW03	RL-TW04
2703E					RL-TW03	RL-TW03	RL-TW04

Table 4-1 River Protection Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
2707AR					RL-TW03	RL-TW03	RL-TW04
2707AX					RL-TW03	RL-TW03	RL-TW04
2707SX					RL-TW03	RL-TW03	RL-TW04
2708AR					RL-TW03	RL-TW03	RL-TW04
2712B					RL-TW03	RL-TW03	RL-TW04
2713W					RL-TW03	RL-TP10	RL-TW04
2713WB					RL-TW03	RL-TW03	RL-TW04
2713WC					RL-TW03	RL-TW03	RL-TW04
2714AR					RL-TW03	RL-TW03	RL-TW04
271CR					RL-TW03	RL-TW03	RL-TW04
2724A					RL-TW03	RL-TW03	RL-TW04
2724B					RL-TW03	RL-TW03	RL-TW04
2724BX					RL-TW03	RL-TW03	RL-TW04
2724BY					RL-TW03	RL-TW03	RL-TW04
2724C					RL-TW03	RL-TW03	RL-TW04
2724SX					RL-TW03	RL-TW03	RL-TW04
2724T					RL-TW03	RL-TW03	RL-TW04
2724TX					RL-TW03	RL-TW03	RL-TW04
2724TXA					RL-TW03	RL-TW03	RL-TW04
2724TXB					RL-TW03	RL-TW03	RL-TW04
2724U					RL-TW03	RL-TW03	RL-TW04
2724UA					RL-TW03	RL-TW03	RL-TW04
2727WA					RL-TW03	RL-TW03	RL-TW04
272A					RL-TW03	RL-TW03	RL-TW04
272HV					RL-TW03	RL-TW03	RL-TW04
272WA					RL-TW03	RL-TW03	RL-TW04
2902HV					RL-TW03	RL-TW03	RL-TW04
2905R					RL-TW03	RL-TW03	RL-TW04
291AR					RL-TW03	RL-TW03	RL-TW04
292AR					RL-TW03	RL-TW03	RL-TW04
241C801						RL-TW03	RL-TW04
LAW/HLW Plant, Phase 1			RL-TW06 RL-WM07	RL-TW06 RL-WM07	RL-TW06	RL-TW06	RL-TW06
LAW Treatment Facility, Phase 2			RL-TW07 RL-WM07	RL-TW07 RL-WM07	RL-TW07	RL-TW07	RL-TW07
HLW Treatment Facility, Phase 2			RL-TW07 RL-WM07	RL-TW07 RL-WM07	RL-TW07	RL-TW07	RL-TW07
Tank Farm System					RL-TW01 RL-TW02 RL-TW03 RL-TW04	RL-TW03	RL-TW04
204AR					RL-TW03	RL-TW03	RL-TW04
2400E					RL-TW03	RL-TW03	RL-TW04
2403E					RL-TW03	RL-TW03	RL-TW04
2403EA					RL-TW03	RL-TW03	RL-TW04
2404E					RL-TW03	RL-TW03	RL-TW04
241AN271					RL-TW03	RL-TW03	RL-TW04
241AN273					RL-TW03	RL-TW03	RL-TW04
241AN801					RL-TW03	RL-TW03	RL-TW04
241AN274					RL-TW03	RL-TW03	RL-TW04
241AP271					RL-TW03	RL-TW03	RL-TW04
241AP273					RL-TW03	RL-TW03	RL-TW04
241AP801					RL-TW03	RL-TW03	RL-TW04
241AW271					RL-TW03	RL-TW03	RL-TW04
241AW801					RL-TW03	RL-TW03	RL-TW04
241AW273					RL-TW03	RL-TW03	RL-TW04
241AY401					RL-TW03	RL-TW03	RL-TW04
241AY402					RL-TW03	RL-TW03	RL-TW04
241AY51					RL-TW03	RL-TW03	RL-TW04
241AY51A					RL-TW03	RL-TW03	RL-TW04
241AY51B					RL-TW03	RL-TW03	RL-TW04
241AY801A					RL-TW03	RL-TW03	RL-TW04
241AY801					RL-TW03	RL-TW03	RL-TW04
241AZ156					RL-TW03	RL-TW03	RL-TW04
241AZ271					RL-TW03	RL-TW03	RL-TW04
241AZ274					RL-TW03	RL-TW03	RL-TW04

Table 4-1 River Protection Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
241AZ401					RL-TW03	RL-TW03	RL-TW04
241AZ402					RL-TW03	RL-TW03	RL-TW04
241AZ701					RL-TW03	RL-TW03	RL-TW04
241AZ702					RL-TW03	RL-TW03	RL-TW04
241AZ801					RL-TW03	RL-TW03	RL-TW04
241AZ801A					RL-TW03	RL-TW03	RL-TW04
241SY271					RL-TW03	RL-TW03	RL-TW04
241SY272					RL-TW03	RL-TW03	RL-TW04
241SY275					RL-TW03	RL-TW03	RL-TW04
241SY274					RL-TW03	RL-TW03	RL-TW04
241SY273					RL-TW03	RL-TW03	RL-TW04
241SY276					RL-TW03	RL-TW03	RL-TW04
241SY701					RL-TW03	RL-TW03	RL-TW04
243G					RL-TW03	RL-TW03	RL-TW04
243G12					RL-TW03	RL-TW03	RL-TW04
243G2					RL-TW03	RL-TW03	RL-TW04
243G3					RL-TW03	RL-TW03	RL-TW04
243G5					RL-TW03	RL-TW03	RL-TW04
243G8					RL-TW03	RL-TW03	RL-TW04
243G6					RL-TW03	RL-TW03	RL-TW04
243G81					RL-TW03	RL-TW03	RL-TW04
243G82					RL-TW03	RL-TW03	RL-TW04
243G9					RL-TW03	RL-TW03	RL-TW04
2701HV					RL-TW03	RL-TW03	RL-TW04
2704HV					RL-TW03	RL-TW03	RL-TW04
2715AW					RL-TW03	RL-TW03	RL-TW04
2724AZ					RL-TW03	RL-TW03	RL-TW04
2724SY					RL-TW03	RL-TW03	RL-TW04
2724AY					RL-TW03	RL-TW03	RL-TW04
272AW					RL-TW03	RL-TW03	RL-TW04
272AW10					RL-TW03	RL-TW03	RL-TW04
296A043					RL-TW03	RL-TW03	RL-TW04
296A042					RL-TW03	RL-TW03	RL-TW04
273EA					RL-TW03	RL-TW03	RL-TW04
TC272HV					RL-TW03	RL-TW03	RL-TW04
Canister Storage Building	RL-TW09 RL-WM01			RL-TW09 RL-WM01	RL-TW09 RL-WM01 RL-WM02	RL-TW09 RL-WM02	RL-WM02
IHLW Storage Modules, Part 2	RL-TW09	RL-TW09	RL-TW09 RL-WM07	RL-TW09 RL-WM07	RL-TW09	RL-TW09	RL-TW09
Immobilized LAW Disposal Facility	RL-TW09	RL-TW09	RL-TW09 RL-WM07	RL-TW09 RL-WM07	RL-TW09	RL-TW09	RL-TW09
Immobilized LAW Disposal Facilityy, Additional Vaults	RL-TW09	RL-TW09	RL-TW09	RL-TW09	RL-TW09	RL-TW09	RL-TW09

* RL PBS Identifier Index:

RL-ER02 - 200 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER07 - Long Term Surveillance & Maintenance
RL-ER10 - ER Program Management and Support
RL-TP10 - Accelerated Deactivation
RL-TW01 - Tank Waste Characterization
RL-TW02 - Tank Safety Issue Resolution
RL-TW03 - Tank Farm Operations
RL-TW04 - Retrieval
RL-TW06 - Privatization Phase I
RL-TW07 - Privatization Phase II
RL-TW09 - Immobilized Tank Waste Storage & Disposal
RL-WM01 - Spent Nuclear Fuel Project
RL-WM02 - Canister Storage Building Operations
RL-WM07 - Waste Minimization

TABLE 4-2 River Protection Project Facility Life-Cycle Responsibility Assignments for Waste Sites

Waste Site	Status	Life Cycle Phase		
		O&M	Post Ops	D&D
CP Soil Site Operable Units	Active		RL-ER02 RL-ER05	RL-ER02 RL-ER07
200-E-29, Unplanned Release From 241-ER-152 Diversion Box	Active		RL-TW03	RL-ER02
241-B-101, 241-B-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-B-102, 241-B-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-B-103, 241-B-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-B-104, 241-B-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-B-105, 241-B-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-B-106, 241-B-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-B-107, 241-B-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-B-108, 241-B-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-B-109, 241-B-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-B-110, 241-B-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-B-111, 241-B-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-B-112, 241-B-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-B-151, 241-B-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-B-152, 241-B-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-B-153, 241-B-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-B-201, 241-B-TK-201	Active	RL-TW03	RL-TW03	RL-TW03
241-B-202, 241-B-TK-202	Active	RL-TW03	RL-TW03	RL-TW04
241-B-203, 241-B-TK-203	Active	RL-TW03	RL-TW03	RL-TW04
241-B-204, 241-B-TK-204	Active	RL-TW03	RL-TW03	RL-TW04
241-B-252, 241-B-252 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-B-301, 241-B-301-B Catch Tank, 241-B-301B	Active		RL-TW03	RL-TW04
241-BR-152, 241-BR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-101, 241-BX-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-102, 241-BX-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-103, 241-BX-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-104, 241-BX-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-105, 241-BX-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-106, 241-BX-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-107, 241-BX-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-108, 241-BX-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-109, 241-BX-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-110, 241-BX-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-111, 241-BX-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-112, 241-BX-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-153, 241-BX-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-302A, 241-BX-302-A Catch Tank	Active		RL-TW03	RL-TW03
241-BXR-151, 241-BXR-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BXR-152, 241-BXR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BXR-153, 241-BXR-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-101, 241-BY-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-102, 241-BY-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-103, 241-BY-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-104, 241-BY-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-105, 241-BY-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-106, 241-BY-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-107, 241-BY-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-108, 241-BY-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-109, 241-BY-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-110, 241-BY-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-111, 241-BY-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-112, 241-BY-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-BYR-152, 241-BYR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BYR-153, 241-BYR-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BYR-154, 241-BYR-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
242-B-151	Active	RL-TW03	RL-TW03	RL-TW04
244-BX DCRT, 244-BX Double-Contained Receiver Tank, 244-BX RT, 244-BX Receiver Tank, 244-BX-TK/SMP, 244-BX Receiver Vault,	Active	RL-TW03	RL-TW03	RL-TW04
244-BXR VAULT, 244-BXR Vault, 244-BXR Receiving Vault. (Subsites 244-BXR-001, 244-BXR-002, 244-BXR-003, 244-BXR-011.)	Active		RL-TW03	RL-TW03
2607-EB	Active	RL-TW03	RL-TW03	RL-TW03
UPR-200-E-105, UN-200-E-105	Active		RL-TW03	RL-TW03
UPR-200-E-108, UN-200-E-108	Active		RL-TW03	RL-TW03
UPR-200-E-109, UN-200-E-109	Active		RL-TW03	RL-TW03
UPR-200-E-110, 241-BY Valve Pit Release, UN-200-E-110	Active		RL-TW03	RL-TW03
UPR-200-E-116, UN-200-E-116	Active		RL-TW03	RL-TW03

TABLE 4-2 River Protection Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		O&M	Post Ops	D&D
UPR-200-E-127, UN-200-E-127	Active		RL-TW03	RL-TW03
UPR-200-E-128, UN-200-E-128	Active		RL-TW03	RL-TW03
UPR-200-E-129, UN-200-E-129	Active		RL-TW03	RL-TW03
UPR-200-E-130, UN-200-E-130	Active		RL-TW03	RL-TW03
UPR-200-E-131, UN-200-E-131	Active		RL-TW03	RL-TW03
UPR-200-E-132, UN-200-E-132	Active		RL-TW03	RL-TW03
UPR-200-E-133, UN-200-E-133	Active		RL-TW03	RL-TW03
UPR-200-E-134, UN-200-E-134	Active		RL-TW03	RL-TW03
UPR-200-E-135, UN-200-E-135	Active		RL-TW03	RL-TW03
UPR-200-E-38, Release from 241-B-152, UN-200-E-38, UN-216-E-38	Active		RL-TW03	RL-TW03
UPR-200-E-5, UN-200-E-5	Active		RL-TW03	RL-TW03
UPR-200-E-6, UN-200-E-6, Contamination Around the 241-B-153 Diversion Box	Active		RL-TW03	RL-TW03
UPR-200-E-73, UN-216-E-1, 241-B-151 Diversion Box Contamination, UN-200-E-73	Active		RL-TW03	RL-TW03
UPR-200-E-74, UN-216-E-2, 241-B-152 Diversion Box Contamination, UN-200-E-74	Active		RL-TW03	RL-TW03
UPR-200-E-75, UN-216-E-3, 241-B-153 Diversion Box Contamination, UN-200-E-75	Active		RL-TW03	RL-TW03
UPR-200-E-76, UN-216-E-4, 241-B-153 Line Break, UN-200-E-76	Active		RL-TW03	RL-TW03
UPR-200-E-79, UN-216-E-7, 242-B to 207-B Line Break, UN-200-E-79	Active		RL-TW03	RL-TW03
216-B-63, B Plant Chemical Sewer, 216-B-63 Trench	Active		RL-TW03	RL-ER02
216-W-LWC, 216-W-LC, Laundry Waste Crib, 216-W-LWC Crib, 216-W-1	Active		RL-TW03	RL-ER02
216-A-40 Retention Basin, 216-A-39 Crib, 216-A-39 Trench	Active		RL-TW03	RL-ER02
216-C-9, 216-C-7 Swamp, Former 221-C Canyon Excavation, 216-C-9 Swamp, Semi-Works Swamp, 216-C-9 C Canyon Excavation Semiworks Swamp	Active		RL-TW03	RL-ER02
UPR-200-E-14, UN-200-E-14, 216-B-3 Pond Dike Break	Active		RL-TW03	RL-ER02
207-T, T Plant Retention Basin, 207-T, 207-T Retention Basin	Active	RL-TW03	RL-TW03	RL-ER02
216-T-1, 221-T Ditch, 221-T Trench, 216-T-1 Trench	Active		RL-TW03	RL-ER02
216-T-12, 207-T Sludge Grave, 207-T Sludge Pit, 216-T-11	Active		RL-TW03	RL-ER02
216-T-4-2, 216-T-4-2 Ditch	Active		RL-TW03	RL-ER02
216-Z-20, Z-19 Ditch Replacement Tile Field	Active		RL-TW03	RL-ER02
200-W-7, 246-L, 243S-TK-1, 243-S-TK1	Active	RL-TW03	RL-TW03	RL-ER02
216-TY-201, Supernatant Disposal Flush Tank	Active		RL-TW03	RL-ER02
240-S-151, 240-S-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
240-S-152, 240-S-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
240-S-302, 240-S-302 Catch Tank	Active		RL-TW03	RL-ER02
241-A-151, 241-A-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-A-302A, 241-A-302-A Catch Tank	Active	RL-TW03	RL-TW03	RL-ER02
241-A-302B, 241-A-302-B Catch Tank	Active		RL-TW03	RL-ER02
241-B-154, 241-B-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-B-302B, 241-B-302-B Catch Tank, 241-B-302	Active		RL-TW03	RL-ER02
241-BX-154, 241-BX-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-BX-155, 241-BX-155 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-BX-302B, 241-BX-302-B Catch Tank	Active		RL-TW03	RL-ER02
241-BX-302C, 241-BX-302-C Catch Tank	Active		RL-TW03	RL-ER02
241-C-154, 241-C-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-CX-70, 241-CX-TK-70 Tank, Strontium Hot Semi-works	Active		RL-TW03	RL-TW04
241-CX-71, 241-CX-TK-71, 241-CX Neutralization Tank, Strontium Hot Semi-works	Active		RL-TW03	RL-TW04
241-CX-72, 241-CX-TK-72 Vault and Tank, 241-CX-72 Waste Self Concentrator, Strontium Hot Semi-works	Active		RL-TW03	RL-TW04
241-ER-151, 241-ER-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-ER-152, 241-ER-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-ER-311, 241-ER-311 Catch Tank	Active	RL-TW03	RL-TW03	RL-ER02
241-ER-311A, 241-ER-311A Catch Tank, old 241-ER-311	Active		RL-TW03	RL-ER02
241-SX-302, 241-SX-302 Catch Tank, SX-304	Active		RL-TW03	RL-ER02
241-TX-152, 241-TX-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-TX-154, 241-TX-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-TX-155, 241-TX-155 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-TX-302B, 241-TX-302-B Catch Tank	Active	RL-TW03	RL-TW03	RL-ER02
241-TX-302BR, 241-TX-302BR Catch Tank, 241-TXR-302BR	Active		RL-TW03	RL-ER02
241-TX-302C, 241-TX-302-C Catch Tank	Active	RL-TW03	RL-TW03	RL-ER02
241-U-151, 241-U-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-U-152, 241-U-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-UX-154, 241-UX-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02

TABLE 4-2 River Protection Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		O&M	Post Ops	D&D
241-UX-302A, 241-U-302 Catch Tank, 241-UX-302 Catch Tank, 241-UX-302	Active	RL-TW03	RL-TW03	RL-ER02
UPR-200-E-117, Contaminated Liquid Spill, UN-200-E-117	Active	RL-TP01	RL-TW03	RL-ER02
UPR-200-E-25, Contamination Spread from the 241-A-151 Diversion Box, UN-200-E-25	Active		RL-TW03	RL-ER02
UPR-200-E-26, 241-A-151 Release, UN-200-E-26	Active		RL-TW03	RL-ER02
UPR-200-E-31, 241-A-151 Release, UN-200-E-31	Active		RL-TW03	RL-ER02
UPR-200-E-42, 241-AX-151 Release, UN-200-E-42	Active		RL-TW03	RL-ER02
UPR-200-E-77, UN-216-E-5, 241-B-154 Diversion Box Ground Contamination, UN-200-E-77	Active		RL-TW03	RL-ER02
UPR-200-E-78, UN-216-E-6, 241-BX-155 Diversion Box ground contamination, UN-200-E-78	Active		RL-TW03	RL-ER02
UPR-200-E-84,241-ER-151 Catch Tank Leak, UN-200-E-84, UN-216-E-12	Active		RL-TW03	RL-ER02
UPR-200-W-131, Release from 241-TX-155	Active		RL-TW03	RL-ER02
UPR-200-W-135, Release from 241-TX-155, UN-200-2-135	Active		RL-TW03	RL-ER02
UPR-200-W-161, UN-216-W-35, UN-200-W-161	Active		RL-TW03	RL-ER02
UPR-200-W-167, Contamiantion Migration from 241-TY, UN-216-W-32	Active		RL-TW03	RL-ER02
UPR-200-W-21, UN-200-W-21, Ground Contamination at 241-TX-154 Diversion Box	Active		RL-TW03	RL-ER02
UPR-200-W-28, Release from 241-TX-155, UN-200-W-28	Active		RL-TW03	RL-ER02
UPR-200-W-38, Line Break at 241-TX-302, UPR-200-W-160, UPR-200-W-40, UN-200-W-38, 216-T-30, UN-216-W-36,	Active		RL-TW03	RL-ER02
UPR-200-W-49, Contamination Southeast of 241-SX, UN-200-W-49	Active		RL-TW03	RL-ER02
UPR-200-W-5, Overflow at 241-TX-155, UN-200-W-5	Active		RL-TW03	RL-ER02
UPR-200-W-6, UN-200-W-6, Contamination Spread from 241-U-151 and 152 Diversion Boxes	Active		RL-TW03	RL-ER02
UPR-600-20, UN-216-E-41, Cross Country Transfer Line	Active		RL-TW03	RL-ER02
216-S-26, 216-S-19 Replacement Facility, 216-S-26 Crib	Active		RL-TW03	RL-ER02
200-E-4, Critical Mass Laboratory Dry Well North, 209-E North Dry Well, Miscellaneous Stream #730	Active	RL-TW03	RL-TW03	RL-ER02
209-E-WS-1, 209-E French Drain	Active	RL-TW03	RL-TW03	RL-ER02
209-E-WS-2, Critical Mass Lab French Drain	Active	RL-TW03	RL-TW03	RL-ER02
216-SX-2 Crib	Active		RL-TW03	RL-ER02
216-T-31	Active		RL-TW03	RL-ER02
216-Z-21, 216-Z-21 Seepage Basin, PFP Cold Waste Pond	Active		RL-TW03	RL-ER02
UPR-200-E-15, Overflow at 216-A-4, UN-200-E-15, UPR-200-E-13	Active		RL-TW03	RL-ER02
UPR-200-E-17, Overflow at 216-A-22, UN-200-E-17	Active		RL-TW03	RL-ER02
200-E-43, Tank Car Storage Area, Regulated Equipment Storage Area, TC-4 Spur Tank Car Storage Area	Active	RL-TW03	RL-TW03	RL-ER02
200-E-27, 242AC Pipefitter Shop Lead Cutting Area	Active	RL-TW03	RL-TW03	RL-TW03
204-AR, 204-AR Waste Unloading Station	Active	RL-TW03	RL-TW03	RL-TW04
216-A-39, 216-A-39 Crib, 216-A-39 Trench	Active		RL-TW03	RL-ER02
241-A-101, 241-A-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-A-102, 241-A-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-A-103, 241-A-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-A-104, 241-A-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-A-105, 241-A-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-A-106, 241-A-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-A-152, 241-A-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
216-BY-201, Flush Tank 241-BY, 216-BY-47, Supernatant Disposal Flush Tank	Active		RL-TW03	RL-ER02
241-A-153, 241-A-153 Diversion Box, 241-A-153 Transfer Station	Active	RL-TW03	RL-TW03	RL-TW04
241-A-350, 241-A-350 Catch Tank, 241-A-350 Drainage Lift Station	Active	RL-TW03	RL-TW03	RL-TW04
241-A-417, 241-A-417 Condensate Tank	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-101, 241-AX-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-102, 241-AX-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-103, 241-AX-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-104, 241-AX-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-152DS, 241-AX-152 Diverter Station, 241-AX-152-DS Diverter Station	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-155, 241-AX-155 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-501, 241-AX-501 Valve Pit, 241-AX-501 Condensate Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-A, 241-AX-A Diversion Box, 241-AX-A Structural Valve Pit, 241-AX-A Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-B, 241-AX-B Diversion Box, 241-AX-B Structural Valve Pit, 241-AX-B Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-C-101, 241-C-TK-101	Active	RL-TW03	RL-TW03	RL-TW04

TABLE 4-2 River Protection Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		O&M	Post Ops	D&D
241-C-102, 241-C-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-C-103, 241-C-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-C-104, 241-C-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-C-105, 241-C-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-C-106, 241-C-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-C-107, 241-C-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-C-108, 241-C-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-C-109, 241-C-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-C-110, 241-C-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-C-111, 241-C-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-C-112, 241-C-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-C-151, 241-C-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-C-152, 241-C-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-C-153, 241-C-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-C-201, 241-C-TK-201	Active	RL-TW03	RL-TW03	RL-TW04
241-C-202, 241-C-TK-202	Active	RL-TW03	RL-TW03	RL-TW04
241-C-203, 241-C-TK-203	Active	RL-TW03	RL-TW03	RL-TW04
241-C-204, 241-C-TK-204	Active	RL-TW03	RL-TW03	RL-TW04
241-C-252, 241-C-252 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-C-301, 241-C-301-C Catch Tank, 241-C-301C	Active		RL-TW03	RL-TW04
241-CR-151, 241-CR-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-CR-152, 241-CR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-CR-153, 241-CR-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-101, 241-S-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-S-102, 241-S-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-S-103, 241-S-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-S-104, 241-S-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-S-105, 241-S-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-S-106, 241-S-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-S-107, 241-S-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-S-108, 241-S-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-S-109, 241-S-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-S-110, 241-S-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-S-111, 241-S-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-S-112, 241-S-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-S-151, 241-S-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-152, 241-S-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-302A, 241-S-302-A Catch Tank	Active		RL-TW03	RL-TW03
241-S-302B, 241-S-302-B Catch Tank	Active		RL-TW03	RL-TW03
241-S-304, 241-S-304 Catch Tank	Active	RL-TW03	RL-TW03	RL-ER02
241-S-A, 241-S-A Valve Pit, 241-S-A Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-B, 241-S-B Valve Pit, 241-S-B Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-C, 241-S-C Valve Pit, 241-S-C Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-D, 241-S-D Valve Pit, 241-S-D Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-101, 241-SX-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-102, 241-SX-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-103, 241-SX-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-104, 241-SX-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-105, 241-SX-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-106, 241-SX-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-107, 241-SX-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-108, 241-SX-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-109, 241-SX-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-110, 241-SX-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-111, 241-SX-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-112, 241-SX-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-113, 241-SX-TK-113	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-114, 241-SX-TK-114	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-115, 241-SX-TK-115	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-151, 241-SX-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-152, 241-SX-152 Diversion Box, 241-SX-152 Transfer Box	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-A, 241-SX-A Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-B, 241-SX-B Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-SY-A, 241-SY-A Diversion Box, 241-SY-A Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-T-101, 241-T-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-T-102, 241-T-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-T-103, 241-T-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-T-104, 241-T-TK-104	Active	RL-TW03	RL-TW03	RL-TW04

TABLE 4-2 River Protection Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		O&M	Post Ops	D&D
241-T-105, 241-T-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-T-106, 241-T-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-T-107, 241-T-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-T-108, 241-T-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-T-109, 241-T-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-T-110, 241-T-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-T-111, 241-T-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-T-112, 241-T-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-T-151, 241-T-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-T-153, 241-T-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-T-201, 241-T-TK-201	Active	RL-TW03	RL-TW03	RL-TW04
241-T-202, 241-T-TK-202	Active	RL-TW03	RL-TW03	RL-TW04
241-T-203, 241-T-TK-203	Active	RL-TW03	RL-TW03	RL-TW04
241-T-204, 241-T-TK-204	Active	RL-TW03	RL-TW03	RL-TW04
241-T-252, 241-T-252 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-T-301B, 241-T-301 Catch Tank, 241-T-301-B	Active		RL-TW03	RL-TW03
241-T-302	Active	RL-TW03	RL-TW03	RL-TW04
241-T-361, 241-T-361 Settling Tank, 361-T-TANK	Active	RL-TW03	RL-TW03	RL-TW04
241-TR-152, 241-TR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-TR-153, 241-TR-153 Diversion Box, 241-TR-153 Booster Pump Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-101, 241-TX-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-102, 241-TX-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-103, 241-TX-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-104, 241-TX-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-105, 241-TX-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-106, 241-TX-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-107, 241-TX-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-108, 241-TX-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-109, 241-TX-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-110, 241-TX-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-111, 241-TX-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-112, 241-TX-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-113, 241-TX-TK-113	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-114, 241-TX-TK-114	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-115, 241-TX-TK-115	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-116, 241-TX-TK-116	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-117, 241-TX-TK-117	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-118, 241-TX-TK-118	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-153, 241-TX-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-302A, 241-TX-302-A Catch Tank	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-302XB, 241-TX-302B Catch Tank, 241-TX-302-X, 241-TX-302-X (B)	Active		RL-TW03	RL-TW04
241-TXR-151, 241-TXR-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW03
241-TXR-152, 241-TXR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-TXR-153, 241-TXR-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-101, 241-TY-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-102, 241-TY-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-103, 241-TY-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-104, 241-TY-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-105, 241-TY-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-106, 241-TY-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-153, 241-TY-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-302A, 241-TY-302-A Catch Tank	Active		RL-TW03	RL-TW04
241-TY-302B, 241-TY-302-B Catch Tank	Active		RL-TW03	RL-TW03
241-U-101, 241-U-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-U-102, 241-U-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-U-103, 241-U-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-U-104, 241-U-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-U-105, 241-U-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-U-106, 241-U-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-U-107, 241-U-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-U-108, 241-U-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-U-109, 241-U-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-U-110, 241-U-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-U-111, 241-U-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-U-112, 241-U-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-U-201, 241-U-TK-201	Active	RL-TW03	RL-TW03	RL-TW04
241-U-202, 241-U-TK-202	Active	RL-TW03	RL-TW03	RL-TW04
241-U-203, 241-U-TK-203	Active	RL-TW03	RL-TW03	RL-TW04

TABLE 4-2 River Protection Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		O&M	Post Ops	D&D
241-U-204, 241-U-TK-204	Active	RL-TW03	RL-TW03	RL-TW04
242-T-135	Active		RL-TW03	RL-TW03
242-TA-R1, 242-TA, Receiver TK-Vault, 242-TA Receiver Tank Vault, Z Waste, Receiver Tank TK-R1	Active		RL-TW03	RL-TW03
244-CR VAULT, 244-CR Vault	Active	RL-TW03	RL-TW03	RL-TW03
244-TX DCRT, 244-TX Double-Contained Receiver Tank, 244-TX RT, 244-TX Receiver Tank, 244-TX Receiver Vessel, 244-TX-TK/SMP	Active	RL-TW03	RL-TW03	RL-TW04
244-TXR VAULT, 244-TXR, 244-TXR Vault (Tanks TXR-001, -002, -003)	Active		RL-TW03	RL-TW03
241-A-702-WS-1, 702-A Drain Lines	Active	RL-TW03	RL-TW03	RL-TW04
241-A-A, 241-A-A Diversion Box, 241-A-A Structural Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-A-B, 241-A-B Diversion Box, 241-A-B Structural Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-101, 241-AN-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-102, 241-AN-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-103, 241-AN-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-104, 241-AN-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-105, 241-AN-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-106, 241-AN-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-107, 241-AN-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-A, 241-AN-A Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-B, 241-AN-B Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AP VP, 241-AP Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-101, 241-AP-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-102, 241-AP-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-103, 241-AP-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-104, 241-AP-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-105, 241-AP-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-106, 241-AP-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-107, 241-AP-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-108, 241-AP-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-AR-151, 241-AR-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-101, 241-AW-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-102, 241-AW-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-103, 241-AW-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-104, 241-AW-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-105, 241-AW-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-106, 241-AW-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-A, 241-AW-A Valve Pit, 241-AW-A Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-B, 241-AW-B Valve Pit, 241-AW-B Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-151, 241-AX-151 Diversion Box, 241-AX-151 Diverter Station	Active		RL-TW03	RL-TW04
241-AX-152CT, 241-AX-152-CT Catch Tank	Active	RL-TW03	RL-TW03	RL-TW04
241-AY-101, 241-AY-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AY-102, 241-AY-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AY-151, 241-AY-151 Diversion Box, 241-AY-151 Pump Out Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-AY-152, 241-AY-152 Diverter Station, 241-AY-152 Sluice Transfer Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AZ-101, 241-AZ-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AZ-102, 241-AZ-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AZ-151CT, 241-AZ-151-CT Catch Tank	Active	RL-TW03	RL-TW03	RL-TW04
241-AZ-151DS, 241-AZ-151-DS Diverter Station, 241-AZ-151 Diverter Station	Active	RL-TW03	RL-TW03	RL-TW04
241-AZ-152, 241-AZ-152 Diversion Box, 241-AZ-152 Sluice Transfer Box	Active	RL-TW03	RL-TW03	RL-TW04
241-ER-153, 241-ER-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
244-A DCRT, 244-A Double-Contained Receiver Tank, 244-A RT, 244-A Receiver Tank, 244-A-TK/SMP	Active	RL-TW03	RL-TW03	RL-TW04
244-A LS, 244-A Lift Station, 244-AR Lift Station, 244-AR LS	Active	RL-TW03	RL-TW03	RL-TW03
244-AR VAULT, 244-AR Vault	Active		RL-TW03	RL-TW03
244-CR-WS-1, 244-CR French Drain	Active	RL-TW03	RL-TW03	RL-TW03
2607-E10	Active	RL-TW03	RL-TW03	RL-TW03
2607-ED	Active	RL-TW03	RL-TW03	RL-TW03
2607-EG	Active	RL-TW03	RL-TW03	RL-TW03
GTF, Grout Treatment Facility	Active	RL-TW03	RL-TW03	RL-TW03
GTFL, Grout Treatment Facility Landfill, GTF Vaults, PSW Vault	Active	RL-TW03	RL-TW03	RL-TW03
UPR-200-E-100, Radioactive Spill Near 244-A Lift Station, UN-216-E-100, UN-216-E-29, UN-200-E-100	Active		RL-TW03	RL-TW03
UPR-200-E-107, UN-200-E-107	Active		RL-TW03	RL-TW03
UPR-200-E-115, UN-200-E-115	Active		RL-TW03	RL-TW03
UPR-200-E-118, UN-200-E-118	Active		RL-TW03	RL-TW03
UPR-200-E-119, UN-200-E-119	Active		RL-TW03	RL-TW03
UPR-200-E-125, UN-200-E-125	Active		RL-TW03	RL-TW03

TABLE 4-2 River Protection Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		O&M	Post Ops	D&D
UPR-200-E-126, UN-200-E-126	Active		RL-TW03	RL-TW03
UPR-200-E-136, UN-200-E-136	Active		RL-TW03	RL-TW03
UPR-200-E-137, UN-200-E-137	Active		RL-TW03	RL-TW03
UPR-200-E-27, UN-200-E-27	Active		RL-TW03	RL-TW03
UPR-200-E-47, UN-200-E-47	Active		RL-TW03	RL-TW03
UPR-200-E-48, UN-200-E-48	Active		RL-TW03	RL-TW03
UPR-200-E-59, Contaminated Bird Nests and Mud at 216-A-40 and 244-AR Vault, UN-200-E-59	Active		RL-TW03	RL-TW03
UPR-200-E-68, Radioactive Contamination near 244-AR Vault, UN-216-E-68, UN-200-E-68	Active		RL-TW03	RL-TW03
UPR-200-E-72, Radioactive Contamination from Uncovered Buried Waste, UN-200-E-72	Active		RL-TW03	RL-TW03
UPR-200-E-81, UN-216-E-9, 241-CR-151 Line Break, UN-200-E-81	Active		RL-TW03	RL-TW03
UPR-200-E-82, UN-216-E-10, 241-C-152 Line Break, UN-200-E-82, B Plant Ion Exchange Feed Line Leak	Active		RL-TW03	RL-TW03
UPR-200-E-91, UN-216-E-19, UN-200-E-91	Active		RL-TW03	RL-TW03
UPR-200-E-99, UN-216-E-27, Contamination Adjacent to 244-CR Vault, UN-200-E-99	Active		RL-TW03	RL-TW03
241-U-361, 241-U-361 Settling Tank, 361-U-TANK	Active	RL-TW03	RL-TW03	RL-TW04
270-W, 270-W Tank, 270-W Neutralization Tank	Active		RL-TW03	RL-ER02
216-A-8, 216-A-8 Crib	Active		RL-TW03	RL-ER02
209-E-WS-3, Critical Mass Laboratory Valve Pit and Hold Up Tank (209-E-TK-111)	Active	RL-TW03	RL-TW03	RL-ER02
216-C-7, 216-C-7 Crib	Active		RL-TW03	RL-ER02
216-U-16, UO3 Crib	Active		RL-TW03	RL-ER02
216-U-17	Active		RL-TW03	RL-ER02
UPR-200-E-145, W049H Green Soil	Active		RL-TW03	RL-ER02
216-B-62, 216-B-62 Enclosed Trench, 216-B-62 Crib	Active		RL-TW03	RL-ER02
231-W-151, 231-W-151 Vault, 231-W-151-001 (Tank), 231-W-151-002 (Tank), 231-W-151 Sump, 231-Z-151 Sump	Active		RL-TW03	RL-ER02
241-Z-8, 241-Z-TK-8, Silica Slurry Tank, 216-Z-8	Active		RL-TW03	RL-ER02
UPR-200-W-130, Line Leak at 231-W-151 Sump, UN-200-W-130	Active		RL-TW03	RL-ER02
UPR-200-W-20, UN-200-W-20	Active		RL-TW03	RL-ER02
200-W-51, Septic Tank (Abandoned)	Active	RL-TW03	RL-TW03	RL-TW03
241-SY-101, 241-SY-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-SY-102, 241-SY-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-SY-103, 241-SY-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-SY-B, 241-SY-B Diversion Box, 241-SY-B Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
242-S, 242-S Evaporator	Active	RL-TW03	RL-TW03	RL-TW03
244-S DCRT, 244-S Double-Contained Receiver Tank, 244-S RT, 244-S Receiver Tank, 244-S Catch Station, 244-S-TK/SMP	Active	RL-TW03	RL-TW03	RL-ER02
UPR-200-W-140	Active		RL-TW03	RL-TW03
UPR-200-W-141	Active		RL-TW03	RL-TW03
UPR-200-W-142	Active		RL-TW03	RL-TW03
UPR-200-W-143	Active		RL-TW03	RL-TW03
UPR-200-W-144	Active		RL-TW03	RL-TW03
UPR-200-W-145	Active		RL-TW03	RL-TW03
UPR-200-W-146	Active		RL-TW03	RL-TW03
UPR-200-W-50, UN-200-W-50	Active		RL-TW03	RL-TW03
UPR-200-W-80, UN-200-W-80	Active		RL-TW03	RL-TW03
UPR-200-W-81, UN-200-W-81	Active		RL-TW03	RL-TW03
UPR-200-W-82, UN-200-W-82	Active		RL-TW03	RL-TW03
216-A-30, 216-A-30 Crib	Active		RL-TW03	RL-ER02
216-A-37-2, 216-A-37-2 Crib	Active		RL-TW03	RL-ER02
216-B-55, 216-B-55 Enclosed Trench, 216-B-55 Crib	Active		RL-TW03	RL-ER02
216-S-25, 216-S-25 Crib	Active		RL-TW03	RL-ER02
200-E-24, 6607-11, 2704-HV Septic System	Active	RL-TW03	RL-TW03	RL-ER02
2607-E12, 2607-E12 Septic System	Active	RL-TW03	RL-TW03	RL-ER02
2607-E5	Active	RL-TW03	RL-TW03	RL-ER02
2607-E7A, 2607-E7	Active	RL-TW03	RL-TW03	RL-ER02
2607-E7B, 2607-E	Active	RL-TW03	RL-TW03	RL-ER02
2607-EC	Active	RL-TW03	RL-TW03	RL-ER02
2607-W9	Active	RL-TW03	RL-TW03	RL-ER02
2607-WC, 2607-WC Septic System	Active	RL-TW03	RL-TW03	RL-ER02
2607-WL, 2607-WL Septic System	Active	RL-TW03	RL-TW03	RL-ER02
200-W-10, Item 10 (RCRA General Inspection), Grout Wall Test	Active	RL-TW03	RL-TW03	RL-ER02
200-W-13, 2713-WB Green Hut Complex	Active	RL-TW03	RL-TW03	RL-ER02
UPR-200-W-76, UN-200-W-76	Active		RL-TW03	RL-ER02

TABLE 4-2 River Protection Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		O&M	Post Ops	D&D
200-W-53, UPR-200-W-166, UN-216-W-31	Active	RL-TW03	RL-TW03	RL-ER02
242-T, 241-T-Evaporator	Active	RL-TW03	RL-TW03	RL-TW03
242-T-151, 242-T-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW03
2607-WT	Active	RL-TW03	RL-TW03	RL-TW03
2607-WTX	Active	RL-TW03	RL-TW03	RL-TW03
UPR-200-W-100, UN-216-W-8, 105-TX to 118-TX Process Line Leak, UN-200-W-100	Active		RL-TW03	RL-TW03
UPR-200-W-12	Active		RL-TW03	RL-TW03
UPR-200-W-126	Active		RL-TW03	RL-TW03
UPR-200-W-129	Active		RL-TW03	RL-TW03
UPR-200-W-149	Active		RL-TW03	RL-TW03
UPR-200-W-150	Active		RL-TW03	RL-TW03
UPR-200-W-151	Active		RL-TW03	RL-TW03
UPR-200-W-152	Active		RL-TW03	RL-TW03
UPR-200-W-153	Active		RL-TW03	RL-TW03
UPR-200-W-17, UN-200-W-17	Active		RL-TW03	RL-TW03
200-W-52, 216-T-7 Crib, 241-T-3 Crib	Active	RL-TW03	RL-TW03	RL-TW03
241-T-152, 241-T-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
UPR-200-W-147	Active		RL-TW03	RL-TW03
UPR-200-W-148	Active		RL-TW03	RL-TW03
UPR-200-W-62, UN-200-W-62	Active		RL-TW03	RL-TW03
UPR-200-W-7, Contamination Spread from the 241-T-151 and 241-T-152 Diversion Boxes, UN-200-W-7	Active		RL-TW03	RL-TW03
216-T-32, 241-T #1 & 2 Cribs, 216-T-6	Active		RL-TW03	RL-ER02
2727-WA, 2727-WA SRE Sodium Storage Building	Active	RL-TW03	RL-TW03	RL-ER02
241-U-153, 241-U-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-U-252, 241-U-252 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-U-301, 241-U-301B	Active	RL-TW03	RL-TW03	RL-TW04
241-U-A, 241-U-A Diversion Box, 241-U-A Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-U-B, 241-U-B Diversion Box, 241-U-B Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-U-C, 241-U-C Diversion Box, 241-U-C Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-U-D, 241-U-D Diversion Box, 241-U-D Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-UR-151, 241-UR-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-UR-152, 241-UR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-UR-153, 241-UR-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-UR-154, 241-UR-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
244-U DCRT, 244-U Double-Contained Receiver Tank, 244-U RT, 244-U Receiver Tank, 244-U Receiving Vault, 244-U-TK/SMP	Active		RL-TW03	RL-TW03
2607-WUT	Active	RL-TW03	RL-TW03	RL-TW03
UPR-200-W-128	Active		RL-TW03	RL-TW03
UPR-200-W-132, UN-200-W-132	Active		RL-TW03	RL-TW03
UPR-200-W-154	Active		RL-TW03	RL-TW03
UPR-200-W-155	Active		RL-TW03	RL-TW03
UPR-200-W-156	Active		RL-TW03	RL-TW03
UPR-200-W-157	Active		RL-TW03	RL-TW03
UPR-200-E-143, Contamination Adjacent to 244-AR Lift Station, UN-216-E-43	Active		RL-TW03	RL-ER02
UPR-200-E-144, Soil Contamination North of 241-B, UN-216-E-44	Active		RL-TW03	RL-ER02
UPR-200-W-127, Liquid Release from 242-S Evaporator to the Ground, UN-200-W-127	Active		RL-TW03	RL-ER02
UPR-200-W-14, Waste Line Leak at 242-T Evaporator, UN-200-W-14	Active		RL-TW03	RL-ER02
UPR-200-W-51, Release from 241-S Diversion Box, UN-200-W-51, UPR-200-W-52	Active		RL-TW03	RL-ER02
UPR-200-W-52, Release from 241-S Diversion Box, UN-200-W-52	Active		RL-TW03	RL-ER02
UPR-200-W-67, Contamiantion near 2706-T, UN-200-W-67	Active		RL-TW03	RL-ER02
UPR-200-W-89, Radioactive Contamination Southwest of 236-Z Building, UN-216-W-89, UN-200-W-89	Rejected(Proposed)	RL-TW04		
200-W-34, 272-WA Septic System North of 213W	Active	RL-TW03	RL-TW03	RL-TW03
213-W, 213-W Compactor Facility	Active	RL-TW03	RL-TW03	RL-ER02
213-W-1, 213-W-TK-1, 213-W Compactor Facility Retention Tank	Active	RL-TW03	RL-TW03	RL-ER02
REDOX	Active			RL-ER06 RL-ER07
241SX401	Active	RL-TW03	RL-TW03	RL-TW04
241SX402	Active	RL-TW03	RL-TW03	RL-TW04

TABLE 4-2 River Protection Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		O&M	Post Ops	D&D
Tank Farm System	Active	RL-TW01 RL-TW02 RL-TW03 RL-TW04	RL-TW03	RL-TW04
CC Soil Site Operable Units	Active		RL-ER02	RL-ER02 RL-ER07
241-EW-151, 241-EW-151 Vent Station Catch Tank, 241-EW-151 Vent Station, Vent Station, 200 Area East-West Vent Station	Active	RL-TW03	RL-TW03	RL-ER02

* RL PBS Identifier Index:

RL-ER02 - 200 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-TP01 - B-Plant
RL-TW01 - Tank Waste Characterization
RL-TW02 - Tank Safety Issue Resolution
RL-TW03 - Tank Farm Operations
RL-TW04 - Retrieval

4.2.1.e Performance Measures

Performance measures are used to monitor both mission and corporate management. In this document, our focus is on mission management. There are two types of mission-focused performance measures. First, there are performance measures that monitor the progress made on activities that must be completed to enable a key step in waste/material cleanup to occur. These activities may involve activities such as facility and system upgrades, tank waste characterizations, assessments of tank safety issues, regulatory permits, and the design of waste treatment and storage facilities.

Second, there are performance measures that track the progress made in the processing of wastes and other materials (including facilities). These "process" measures monitor changes in waste/material form, storage method, and location. These measures are important because they are directly linked to two key Success Indicators - the reduction in the level of active management required for the inventory and the reduction in the hazard posed by the waste/material. Process measures will monitor the waste/material during each major processing step as the material transitions from its initial configuration within the single-shell or double-shell tanks (or associated equipment) to the configuration described by the appropriate endpoint target. Endpoint targets for the TWRS mission are presented in the Hanford Strategic Plan and are included in the *Facility Life-Cycle Requirements Section* for each project that comprises this mission.

4.2.1.1 Tank Waste Characterization

4.2.1.1.1 Project Description Summary

The Tank Waste Characterization Project was established to characterize the Hanford Site

high-level radioactive waste to aid the safe storage, retrieval, processing, and disposal of this waste. This waste is stored in large, underground, radioactive waste storage double-shell tanks (DSTs) and single-shell tanks (SSTs). The work involved is to plan, sample, analyze, and report tank waste contents. Activities include; program management, characterization data development, sampling equipment, acquire samples and measurements, and sample analyses.

4.2.1.1.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.2.1.1.3 Facility Life-Cycle Requirements

- Requirements

  - The Hanford radioactive tank wastes, presently stored in 177 underground storage tanks and other miscellaneous underground tanks, shall be characterized.

- Planning Assumptions

  - None

4.2.1.1.4 Project Safety Authorization Basis/NEPA and Permits

The Authorization Basis consists of those aspects of the facility design basis and operational requirements relied upon by the DOE to authorize operation. These aspects are considered important to the safety of the facility operations. The complete list of documents that comprise the Authorization Basis for TWRS facilities and activities is provided in Attachment A of HNF-IP-0842, TWRS Administration, Volume IV, Section 5.4, "Unreviewed Safety Questions" (FDH 1998a).

The Tank Waste Characterization Project operates under the requirements of DOE/EA-0915, Environmental Assessment - Waste Tank Safety Program, Hanford Site, Richland, Washington (RL 1994), which was issued for compliance with NEPA. In addition, DOE/EIS-0212, Safe Interim Storage of Hanford Tank Waste Final Environmental Impact Statement (SIS EIS) (RL and Ecology 1995) was issued in October 1995. Subsequently, the DOE issued the Record of Decision (ROD): Safe Interim Storage of Hanford Tank Wastes, Hanford Site, Richland, WA (DOE 1995a) on November 21, 1995, following concurrence by the State of Washington. Additional environmental permits required for compliance with federal and state air pollution regulations are developed and approved as needed on a project-specific basis. State air pollution permits also activate the State Environmental Policy Act of 1971 requirements and are also addressed on a project-specific basis.

4.2.1.1.5 Tri-Party Agreement Requirements

- TPA.M.44.0.A Complete delivery of information requirements as identified in the annually submitted WIRD. [Due Date: 9/30/2002]

4.2.1.1.6 Interfaces

TABLE 4-3 Tank Waste Characterization Interfaces

Project Title	Project Number	Interface
Tank Farm Operations	RL-TW03	Provides DST Waste for Sampling Provides SST Waste for Sampling
Analytical Services	RL-WM06	Receives DST Samples Receives SST Samples

4.2.1.1.7 Requirements References

- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"

4.2.1.2 Tank Safety Issue Resolution

4.2.1.2.1 Project Description Summary

The purpose of this project is to provide an adequate, comprehensive, and reliable safety basis for the management and storage of waste by River Protection Project (RPP). This will be accomplished by developing and maintaining an integrated Authorization Basis (AB) and by resolving outstanding safety issues to ensure safe storage of waste.

The Tank Safety Issue Resolution Project was established to address hazards associated with the storage of radioactive mixed waste in the large underground storage tanks at the Hanford Site. Safety issues have been raised for single-shell tanks (SSTs), double-shell tanks (DSTs) and ancillary facilities with regard to flammable gas and organic complexants. In response to Public Law 101-510, Section 3137, "Safety Measures for Waste Tanks at Hanford Nuclear Reservation", tanks of the highest concern have been placed on the Watch List. This project develops the technical basis for closure of Unreviewed Safety Questions (USQ), resolution of the safety issues, and removal of all tanks from the Watch List. It also supports upgrades to the Final Safety Analysis Report (FSAR), which is the authorization basis for safe operations of the tank farms and continued safe storage of the tank contents.

4.2.1.2.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.2.1.2.3 Facility Life-Cycle Requirements

- Requirements

  - Tank safety issues for high priority tanks shall be resolved by Sep 30, 2001

- Planning Assumptions

  - None

4.2.1.2.4 Project Safety Authorization Basis/NEPA and Permits

The Authorization Basis consists of those aspects of the facility design basis and operational requirements relied upon by the DOE to authorize operation. This project exists primarily because conditions may be present which are not adequately covered by an Authorization Basis. The complete list of documents that comprise the Authorization Basis for TWRS facilities and activities is provided in Attachment A of HNF-IP-0842, TWRS Administration, Volume IV, Section 5.4, "Unreviewed Safety Questions" (FDH 1998a).

The Tank Safety Issue Resolution Project operates under the requirements of DOE/EA-0915, Environmental Assessment - Waste Tank Safety Program, Hanford Site, Richland, Washington (RL 1994), which was issued for compliance with NEPA. In addition, DOE/EIS-0212, Safe Interim Storage of Hanford Tank Waste Final Environmental Impact Statement (SIS EIS (RL and Ecology 1995) was issued in October 1995. Subsequently, the DOE issued the Record of Decision (ROD): Safe Interim Storage of Hanford Tank Wastes, Hanford Site, Richland, WA (DOE 1995a) on November 21, 1995, following concurrence by the State of Washington. Additional environmental permits required for compliance with federal and state air pollution regulations are developed and approved as needed on a project-specific basis.

4.2.1.2.5 Tri-Party Agreement Requirements

- TPA.M.40.0 Mitigate/resolve tank safety issues for high priority watch list tanks. [Due Date: 9/30/2001]

4.2.1.2.6 Interfaces

TABLE 4-4 Tank Safety Issue Resolution Interfaces

Project Title	Project Number	Interface
Tank Farm Operations	RL-TW03	Provides Conditions of Operations Receives Authorization Basis

4.2.1.2.7 Requirements References

- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"

4.2.1.3 Tank Farm Operations

4.2.1.3.1 Project Description Summary

Tank Farms Operations operates and maintains the RPP mission required tank farm systems, structures and components (SSCs) in a safe, reliable, and operable condition to meet mission requirements. The technical approach to Tank Farms Operations is to conduct all activities pertaining to the operation of a permitted treatment, storage, and disposal (TSD) facility within the boundary of the current Authorization Basis and in a manner that ensures compliance with all applicable federal, state, and local laws and regulations. (In addition, ensuring a safe working environment for all employees and support groups is a top priority.) This performs all operations support functions required for routine surveillance, operation, and maintenance of the 200 East Area and 200 West Area tank farms. These functions include:

· Performing preventative and corrective maintenance (routine and non-routine)
· Performing waste transfers to feed tanks in support of waste concentration operations
· Conducting health physics activities (radiological)
· Conducting routine surveillance monitoring
· Conducting industrial hygiene and safety functions
· Performing engineering and analysis (trade studies and analysis capability upgrades)
· Managing and controlling projects and upgrades to facilities and infrastructure
· Enhancing the safety of facility operations and preparing the facilities for the eventual turnover to the Retrieval Project for closure.

In addition the Tank Farms Operations has the mandate to pump interstitial liquids from the aging, single shell tanks in the 200 Area Tank Farms and transfer it to the safer, compliant double shell tanks in accordance with the Consent Decree, Tri-Party Agreement milestones and other schedules as set by the Department of Energy (DOE).

4.2.1.3.2 Life-Cycle Material and Waste Flow

The following tables contain the waste forecasts by facility and waste category that the project is planning to receive or generate over the full life cycle of the project's involvement with the facilities listed. The values listed are forecasts and not requirements allocated to the projects.

Table 4-5 Tank Farm Operations Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
Tank Farm System	HLW	2000 - 2018	51200	cubic meters

Table 4-6 Tank Farm Operations Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
Tank Farm System	CH LLMW I	2000 - 2032	3030	cubic meters
	CH LLMW III	2000 - 2032	1970	cubic meters
	CH LLW I	2000 - 2032	10000	cubic meters
	HAZ	2000 - 2031	228.0	cubic meters
	HLW	2000 - 2018	77100	cubic meters
	RH LLMW I	2000 - 2032	821.0	cubic meters
	RH LLMW III	2000 - 2031	416.0	cubic meters
	Sanitary Liquid Waste	2000 - 2006	1.4	Mgal
	Sanitary Solid Waste	2000 - 2006	4640	tons
	Treated Liquid Effluent	2000 - 2018	188000	cubic meters

4.2.1.3.3 Facility Life-Cycle Requirements

- Requirements

  - Single shell tanks shall be interim stabilized.
  - Tank Farm upgrades shall be completed by June 30, 2005
  - 244AR interim actions shall be completed.

- Planning Assumptions

  - Central Plateau high cost surplus facilities shall be transitioned to a low cost, stable, deactivated condition
  - Facilities shall be maintained within the approved safety envelope
  - Double Shell Tank facilities shall be maintained within the approved safety envelope
  - Miscellaneous Underground Storage Tanks shall be maintained within the approved safety envelope
  - Single Shell Tank facilities shall be maintained within the approved safety envelope

4.2.1.3.4 Project Safety Authorization Basis/NEPA and Permits

The Authorization Basis consists of those aspects of the facility design basis and operational requirements relied upon by the DOE to authorize operation. These aspects are considered important to the safety of the facility operations. The complete list of documents that comprise the Authorization Basis for TWRS facilities and activities is provided in Attachment A of HNF-IP-0842, TWRS Administration, Volume IV, Section 5.4, "Unreviewed Safety Questions" (FDH 1998a).

To comply with NEPA requirements, the DOE and the Washington State Department of Ecology (Ecology) jointly prepared DOE/EIS-0212, Safe Interim Storage of Hanford Tank Waste Final Environmental Impact Statement (SIS EIS) (RL and Ecology 1995). Subsequently, the DOE issued the Record of Decision (ROD): Safe Interim Storage of Hanford Tank Wastes, Hanford Site, Richland, WA (DOE 1995a) on November 21, 1995, following concurrence by the State of Washington.

The SSTs are currently operating in accordance with RCRA interim status requirements and will go directly to closure following retrieval. The DSTs are currently operating under RCRA interim status, and a RCRA final status permit (Part B) application is scheduled for submittal to Ecology in 2000. New project construction must be within the scope of the existing interim status or final status permits or a new or revised permit must be obtained before construction or operation.

4.2.1.3.5 Tri-Party Agreement Requirements

- TPA.M.17.0.B Complete implementation of "Best Available Technology/All Known, Available, and Reasonable Methods of Prevention, Control, and Treatment (BAT/AKART) for all phase II liquid effluent streams at the Hanford Site. [Due Date: 1/31/98.]
- TPA.M.32.6 Complete 244-AR vault interim status tank actions. [Due Date: TBD]
- TPA.M.41.0 Complete interim stabilization activities for all single-shell tanks except 241-C-106 (to be retrieved in accordance with milestone M-45-03). Complete intrusion prevention for all single-shell tanks except 241-C-106. [Due Date: 9/30/2000]
- TPA.M.42.0 Provide additional Double Shell Tank Capacity, TBD.
- TPA.M.43.0 Complete tank farm upgrades. [Due Date: 6/30/2005]
- TPA.M.43.13 Start construction for upgrades in the second tank farm. [Due Date: 6/30/2000]
- TPA.M.43.14 Start construction for upgrades in the third tank farm. [Due Date: 3/31/2001]
- TPA.M.43.15 Start construction for upgrades in the fourth tank farm. [Due Date: 3/31/2002]
- TPA.M.43.16 Start construction for upgrades in the fifth tank farm. [Due Date: 6/30/2003]

4.2.1.3.6 Interfaces

TABLE 4-7 Tank Farm Operations Interfaces

Project Title	Project Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives TF OPER, HAZ
Offsite Landfill	EXTERNAL	Receives TWRS Sanitary Solid Waste
Hanford Legacy	EXTERNAL	Provides Existing DST Waste Provides Existing SST/MUST Waste
Tank Waste Characterization	RL-TW01	Receives DST Waste for Sampling Receives SST Waste for Sampling
Tank Safety Issue Resolution	RL-TW02	Provides Authorization Basis Receives Conditions of Operations

TABLE 4-7 Tank Farm Operations Interfaces (Continued)

Project Title	Project Number	Interface
Retrieval	RL-TW04	Provides DST Waste Provides Empty DSTs Provides Empty SSTs Provides Excess DST System Facilities Provides Excess SST System Facilities Provides Retrieved SST Waste, Phase I Provides Retrieved SST Waste, Phase II Receives Safe & Compliant Deactivated Double Shell Tank System Facilities Receives Safe & Compliant Deactivated Single Shell Tank System Facilities Receives SST Waste to Be Retrieved Receives Stored East Area DST Waste Receives Stored East Area Liquid Waste for Phase II Processing Receives Stored West Area DST Waste Receives Supernatant from DSTs for SST Sluicing
Privatization Phase I	RL-TW06	Provides LAW/HLW Plant Phase I, Entrained Solids for Return to DSTs
Solid Waste Storage & Disposal	RL-WM03	Receives DST RET, CH LLMW III Receives TF OPER, CH-LLMW-I Receives TF OPER, CH-LLMW-III Receives TF OPER, CH-LLW-I Receives TF OPER, RH-LLMW-I Receives TF OPER, RH-LLMW-III Receives TF VADOSE, CH-LLMW-I Receives TWP W314, CH-LLMW-I Receives TWP W314, CH-LLMW-III Receives TWP W314, CH-LLW-I Receives TWP W314, RH-LLMW-I Receives TWP W314, RH-LLMW-III
Solid Waste Treatment	RL-WM04	Provides Liquid Waste From 221-T to West Area DSTs Provides Waste from 221-T to 204-AR Provides Waste From 2706-T to 204-AR
Liquid Effluents	RL-WM05	Provides 242-A HLW from Training Runs Provides Concentrated Tank Waste Receives Dilute Tank Waste Receives Tank Farms Treated Liquid Effluent
Analytical Services	RL-WM06	Provides Liquid Waste From 222-S Lab to West Area DSTs Provides Waste from 222-S Lab to 204-AR Receives Analytical Laboratory Samples from TWRS Receives In-Field Laboratory Samples from TWRS
WESF	RL-TP02	Provides WESF-Misc. HLW
PUREX	RL-TP03	Provides PUREX-TCO (DN), HLW
PFP	RL-TP05	Provides PFP Stabilization, HLW Provides PFP Transition, HLW
324/327 Facility Transition	RL-TP08	Provides 324 Facility HLW Provides 327 Facility Radioactive/Mixed Liquid Waste to DSTs
100 Area Source Remedial Action	RL-ER01	Provides 105-F & 105-H Basin TCO, HLW
PNNL Waste Management	RL-ST01	Provides 325 Building, HLW

4.2.1.3.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.2.1.4 Retrieval

4.2.1.4.1 Project Description Summary

The mission of the Retrieval Project is, "in an environmentally sound, safe, secure, and cost-effective manner, to:

1. Retrieve wastes from single-shell tanks, double-shell tanks, and designated miscellaneous underground storage tanks;
2. Provide waste to privatization contractors for processing; and
3. Close those tanks in accordance with regulatory requirements."

The Retrieval Project will establish the functions and requirements and install the equipment needed to deliver the proper waste feed on schedule to the private immobilization contractor for Phase I Privatization, and transition the waste retrieval and treatment to private contractors for Phase II Privatization.

The Tank Waste Remediation System (TWRS) Environmental Impact Statement Record of Decision calls for retrieval of wastes from all 149 single-shell tanks (SSTs), 28 double-shell tanks (DSTs), and miscellaneous underground storage tanks (MUSTs). Until all waste is retrieved, the DSTs must function to store and prepare waste retrieved from SSTs and MUSTs for waste treatment facilities.

4.2.1.4.2 Life-Cycle Material and Waste Flow

The following tables contain the waste forecasts by facility and waste category that the project is planning to receive or generate over the full life cycle of the project's involvement with the facilities listed. The values listed are forecasts and not requirements allocated to the projects.

Table 4-8 Retrieval Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
Tank Farm System	CH LLMW I	2001 - 2028	2210	cubic meters
	CH LLMW III	2001 - 2028	645.0	cubic meters
	CH LLW I	2007 - 2035	17700	cubic meters
	CH TRUM	2020 - 2028	491.0	cubic meters
	HLW	2007 - 2028	578000	cubic meters
	RH LLMW I	2007 - 2028	154.0	cubic meters
	RH LLMW III	2001 - 2028	27400	cubic meters
	RH TRUM	2008 - 2028	674.0	cubic meters

4.2.1.4.3 Facility Life-Cycle Requirements

- Requirements

- DOE has decided to implement the Phased Implementation alternative for the tank waste.
- The tank waste will be retrieved.
- Single Shell Tank farms shall be closed by Sep 30, 2024

- Planning Assumptions

  - Facilities other than processing facilities shall be dismantled.
  - Central Plateau tank farms shall be closed
  - Transitioned facilities shall be decontaminated and decommissioned sufficiently to enable removal or closure through entombment

4.2.1.4.4 Project Safety Authorization Basis/NEPA and Permits

The Authorization Basis consists of those aspects of the facility design basis and operational requirements relied upon by the DOE to authorize operation. These aspects are considered important to the safety of the facility operations. The complete list of documents that comprise the Authorization Basis for TWRS facilities and activities is provided in Attachment A of HNF-IP-0842, TWRS Administration, Volume IV, Section 5.4, "Unreviewed Safety Questions" (FDH 1998a). The current Authorization Basis does not include all activities planned by the Retrieval Project; therefore, modifications to the current Authorization Basis will be required.

To comply with NEPA requirements, the DOE and Ecology prepared DOE/EIS-0212, Safe Interim Storage of Hanford Tank Waste Final Environmental Impact Statement (SIS EIS) (RL and Ecology 1995). Subsequently, the DOE issued the Record of Decision (ROD): Safe Interim Storage of Hanford Tank Wastes, Hanford Site, Richland, WA (DOE 1995a) on November 21, 1995, following concurrence by the State of Washington.

The TWRS EIS ROD (DOE 1997a) addresses retrieval of the tank waste. Closure plans and NEPA ROD for closure will be developed.

The SSTs are currently operating in accordance with RCRA interim status requirements and will go directly to closure following retrieval. The DSTs are currently operating under RCRA interim status and a RCRA final status permit (Part B) application is scheduled for submittal to Ecology in 2000. New project construction must be within the scope of the existing interim status or final status permits or a new or revised permit must be obtained before construction or operation.

Construction and new (or modified) operations within the tank farms that result in emissions to the air require prior approval from the Washington State Department of Health and the U.S. Environmental Protection Agency (EPA) for radionuclides. Ecology approval is required for toxic air pollutants. A Notice of Construction is prepared for each major project and/or activity and submitted to the respective agency for review and approval. Construction cannot commence until all submitted Notices of Construction are approved.

Public and worker health and safety requirements are defined in the TWRS mission analysis, SRIDs, and the Safety Authorization Basis.

4.2.1.4.5 Tri-Party Agreement Requirements

- TPA.M.45.3.T.1 Complete SST waste retrieval demonstration. [Due Date: 9/30/2003]
- TPA.M.45.3.T.2 Initiate final retrieval demonstration of C-106. [Due Date: 6/30/2002]
- TPA.M.45.4.T.1 Provide initial single-shell tank retrieval systems. [Due Date: 11/30/2003]
- TPA.M.45.4.T.3 Complete construction for the initial SST retrieval systems. [Due Date: 6/30/2003]
- TPA.M.45.5 Retrieve waste from all remaining single-shell tanks. [Due Date: 9/30/2018]
- TPA.M.45.5.T.1 Initiate tank waste retrieval from one single-shell tank. [Due Date: 12/31/2003]
- TPA.M.45.5.T.2 Initiate tank waste retrieval from two additional single-shell tanks. [Due Date: 9/30/2004]
- TPA.M.45.5.T.3 Initiate tank waste retrieval from three additional single-shell tanks. [Due Date: 9/30/2005]
- TPA.M.45.5.T.4 Initiate tank waste retrieval from four additional single-shell tanks. [Due Date: 9/30/2006]
- TPA.M.45.5.T.5 Initiate tank waste retrieval from five additional single-shell tanks. [Due Date: 9/30/2007]
- TPA.M.45.5.T.6 Initiate tank waste retrieval from five additional single-shell tanks. [Due Date: 9/30/2008]
- TPA.M.45.5.T.7 Initiate tank waste retrieval from seven additional single-shell tanks. [Due Date: 9/30/2009]
- TPA.M.45.5.T.8 Initiate tank waste retrieval from eight additional single-shell tanks. [Due Date: 9/30/2010]
- TPA.M.45.5.T.9 Initiate tank waste retrieval from ten additional single-shell tanks. [Due Date: 9/30/2011]
- TPA.M.45.5.T.10 Initiate tank waste retrieval from 12 additional single-shell tanks. [Due Date: 9/30/2012]
- TPA.M.45.5.T.11 Initiate tank waste retrieval from 14 additional single-shell tanks. [Due Date: 9/30/2013]
- TPA.M.45.5.T.12 Initiate tank waste retrieval from 17 additional single-shell tanks. [Due Date: 9/30/2014]
- TPA.M.45.5.T.13 Initiate tank waste retrieval from 20 additional single-shell tanks. [Due Date: 9/30/2015]
- TPA.M.45.5.T.14 Initiate tank waste retrieval from 20 additional single-shell tanks. [Due Date: 9/30/2016]
- TPA.M.45.5.T.15 Initiate tank waste retrieval from 20 additional single-shell tanks. [Due Date: 9/30/2017]

- TPA.M.45.6 M-45-06 9/30/2024 Complete closure of all single-shell tank farms. The single-shell tank closure work plan will be prepared describing the work integration process for single-shell tank closures and status of work and integration process. Known issues will be identified and an explanation will be given on how these issues are being addressed. This work plan will be provided to Ecology for review/comment and will be used as a roadmap for closure of the single-shell tanks. Because of the uncertainties in the closure process, the work plan will evolve as these uncertainties are resolved and eventually it will become the SST closure/post-closure plan(s) issued for Ecology's approval under subsequent TPA interim milestones. Major work areas covered in the work plan will include waste retrieval, operable units characterization, technologies development to support closure, regulatory pathway and strategy for achieving closure.
- TPA.M.45.6.T.3 Initiate closure actions on an operable unit or tank farm basis. Closure shall follow completion of the retrieval actions under proposed milestone M-45-05. Closure will be defined in an approved closure plan for the demonstration farm. Final closure is defined as regulatory approval of completion of closure actions. [Due Date: 3/31/2012]
- TPA.M.45.6.T.4 Complete closure actions on one operable unit or tank farm. [Due Date: 3/31/2014]
- TPA.M.45.8 Establish full scale capability for mitigation of waste tank leakage during retrieval sluicing operations. [Due Date: 6/30/2003]
- TPA.M.45.8.B Complete demonstration and installation of leak monitoring and mitigation systems for initial SST retrieval. [Due Date: 6/30/2003]
- TPA.M.45.52 Submit to Ecology for review and approval as an Agreement primary document a site-specific SST WMA Phase 1 RFI/CMS Work Plan addenda for WMA S-SX. [Due Date 10/31/99]
- TPA.M.45.53 Submit to Ecology for review and approval as an Agreement primary document a site-specific SST WMA Phase 1 RFI/CMS Work Plan addenda for WMA B-BX-BY. [Due Date 5/31/00]
- TPA.M.45.54 Submit to Ecology for review and approval as an Agreement primary document a site-specific SST WMA Phase 1 RFI/CMS Work Plan addenda for WMA T and WMA TX-TY. [Due Date 12/31/00]
- TPA.M.45.55 Submit to Ecology for review and approval as an Agreement primary document a Phase 1 RFI Report integrating results of data gathering activities and evaluations for WMAs S-SX, T, TX-TY, and B-BX-BY and related activities including groundwater monitoring and impacts assessment using Hanford Site groundwater models, with conclusions and recommendations. [Due Date 2/29/04]
- TPA.M.45.55.T.1 Submit to Ecology for review and approval as an Agreement secondary document a Field Investigation Report prusuant to the site-specific SST WMA Phase 1 RFI/CMS Work Plan addenda for WMA S-SX. [Due Date 4/30/01]
- TPA.M.45.55.T.2 Submit to Ecology for review and approval as an Agreement secondary document a Field Investigation Report prusuant to the site-specific SST WMA Phase 1 RFI/CMS Work Plan addenda for WMA B-BX-BY. [Due Date 4/30/01]
- TPA.M.45.55.T.3 Submit to Ecology for review and approval as an Agreement secondary document a Field Investigation Report prusuant to the site-specific SST WMA Phase 1 RFI/CMS Work Plan addenda for WMA T and WMA TX-TY. [Due Date 6/30/03]
- TPA.M.45.56 Complete implementation of agreed-to interim measures. [Due TBD]
- TPA.M.45.56.T.1 Summarize results of engineering studies and recommendations on isolating water lines in or near SST WMAs, sealing abandoned wells in or near SST WMAs, and controlling surface drainage at SST WMAs and submit these results to Ecology. [Due Date 10/31/99]

- TPA.M.45.58 Submit to Ecology for review and approval as an Agreement primary document a Corrective Measures Study for interim correctve measures. [Due TBD]
- TPA.M.45.59 Control surface water infiltration pathways as needed to control or significantly reduce the likelihood of migration of subsurface contamination to groundwater at the SST WMAs. [Due TBD]
- TPA.M.45.60 Submit to Ecology for review and approval as an Agreement primary document DOE's RFI/CMS Work Plan for SST WMAs. [Due Date 6 months following RFI Report Approval]

4.2.1.4.6 Interfaces

TABLE 4-9 Retrieval Interfaces

Project Title	Project Number	Interface
Tank Farm Operations	RL-TW03	Provides Safe & Compliant Deactivated Double Shell Tank System Facilities Provides Safe & Compliant Deactivated Single Shell Tank System Facilities Provides SST Waste to Be Retrieved Provides Stored East Area DST Waste Provides Stored East Area Liquid Waste for Phase II Processing Provides Stored West Area DST Waste Provides Supernatant from DSTs for SST Sluicing Receives DST Waste Receives Empty DSTs Receives Empty SSTs Receives Excess DST System Facilities Receives Excess SST System Facilities Receives Retrieved SST Waste, Phase I Receives Retrieved SST Waste, Phase II
Privatization Phase I	RL-TW06	Receives LAW/HLW Plant, Phase I HLW Feed Receives LAW/HLW Plant, Phase I LAW Feed
Privatization Phase II	RL-TW07	Receives LAW Treatment Facility, Phase II Feed
Solid Waste Storage & Disposal	RL-WM03	Receives DST RET, CH-LLMW-I Receives DST RET, RH-LLMW-III Receives SST LLE, CH-TRUM Receives SST LLE, RH-LLMW-III Receives SST LLE, RH-TRUM Receives SST RET, CH-LLMW-I Receives SST RET, CH-LLMW-III Receives SST RET, CH-LLW-I Receives SST RET, RH-LLMW-I Receives SST RET, RH-LLMW-III Receives TWP W211, CH-LLMW-I Receives TWP W211, CH-LLMW-III Receives TWP W211, RH-LLMW-III Receives TWP W211, RH-TRUM

4.2.1.4.7 Requirements References

- DOE/EIS-0189-ROD, Record of Decision for the Tank Waste Remediation System, Hanford Site, Richland, Washington. "
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"

- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.2.1.5 Process Waste Support

4.2.1.5.1 Project Description Summary

The mission of Process Waste Support is to assist the ORP in the management of Privatization Phase 1 and Privatization Phase 2. This includes the integration of privatized and non-privatized activities; assisting in the execution of the privatization contracts; managing interfaces with the PHMC and Private Contractors; assisting in managing the interfaces with stakeholders and regulators: and assisting in the management of the key risks and key decisions associated with tank waste disposal.

4.2.1.5.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.2.1.5.3 Facility Life-Cycle Requirements

- Requirements

  - None

- Planning Assumptions

  - None

4.2.1.5.4 Project Safety Authorization Basis/NEPA and Permits

The Process Waste Support Project is an administration and integration project that does not have facility or operation responsibilities. The Process Waste Support Project does not require a safety Authorization Basis.

This project shall support implementation of the TWRS EIS ROD (DOE 1997a).

It is assumed the DOE will retain overall responsibility for ensuring protection of the public and the environment for privatized and non-privatized activities. A special Regulatory Unit reporting directly to the RL Operations manager has been established to provide independent radiological and nuclear safety oversight of the private contractors. This responsibility may be assumed by the Nuclear Regulatory Commission in the future.

4.2.1.5.5 Tri-Party Agreement Requirements

- None

4.2.1.5.6 Interfaces

4.2.1.5.7 Requirements References

- None

4.2.1.6 Privatization Phase I

4.2.1.6.1 Project Description Summary

Phase I objectives are to: demonstrate the technical and business viability of using privatized facilities to treat Hanford tank waste; define and maintain required levels of radiological, nuclear, process, and occupational safety; maintain environmental protection and compliance; and substantially reduce life-cycle costs and time required to treat Hanford tank waste. This project demonstrates progress in limiting potential contamination of the Columbia River by removing high-level waste from underground storage tanks which can leak into the groundwater.

4.2.1.6.2 Life-Cycle Material and Waste Flow

The following tables contain the waste forecasts by facility and waste category that the project is planning to receive or generate over the full life cycle of the project's involvement with the facilities listed. The values listed are forecasts and not requirements allocated to the projects.

Table 4-10 Privatization Phase I Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
LAW/HLW Plant, Phase 1	HLW	2007 - 2018	46200	cubic meters

Table 4-11 Privatization Phase I Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
LAW/HLW Plant, Phase 1	CH LLMW I	2006 - 2019	1230	cubic meters
	CH LLMW III	2018 - 2019	142.0	cubic meters
	CH LLW I	2012 - 2014	289000	cubic meters
	HLW	2007 - 2018	725.0	cubic meters
	RH LLMW I	2010 - 2019	1740	cubic meters
	RH LLMW III	2008 - 2018	23700	cubic meters
	Treated Liquid Effluent	2003 - 2019	2430000	cubic meters
	Waste Water	2003 - 2019	759000	cubic meters

4.2.1.6.3 Facility Life-Cycle Requirements

- Requirements

  - DOE has decided to implement the Phased Implementation alternative for the tank waste.
  - The waste will be separated into low-activity waste and high-level waste through physical and chemical processes and then treated in demonstration-scale facilities.
  - Vitrified high-level waste will be prepared for interim storage at the Canister Storage Building.
  - Immobilized low-activity waste will be prepared for future onsite disposal.
  - High level waste immobilization facility shall start operations by Dec 2009.
  - Tank waste commercial demonstration facility (ies) shall be constructed.
  - The TWRS Privatized Facility for Phase I shall comply with the requirements contained in the TWRS Privatization Contract, No. DE-RP06-96RL13308.

- Planning Assumptions

  - Future facilities shall be converted to a low cost stable deactivated condition when their functionality is no longer required to meet operational objectives.
  - Processing facilities shall be entombed in place with co-disposal of waste materials
  - Facilities other than processing facilities shall be dismantled.
  - Transitioned facilities shall be decontaminated and decommissioned sufficiently to enable removal or closure through entombment
  - Facilities shall be maintained within the approved safety envelope
  - Tank waste processing shall be operated within the approved safety envelope as approved by the REG Unit.
  - Tank waste shall be separated into High Level and Low Activity fractions.

4.2.1.6.4 Project Safety Authorization Basis/NEPA and Permits

The private contractor shall develop and implement an integrated, standards-based, safety management program to ensure that radiological, nuclear, and process safety requirements are defined, implemented, and maintained. Radiological, nuclear, and process safety requirements shall be adapted to the specific hazards that are identified with the contractor's waste treatment services.
The contractor's integrated standards-based safety management program shall be developed to comply with the specific nuclear safety regulations defined under the 10 CFR 800 series of nuclear safety requirements and with the regulatory program established in the following:

- DOE/RL-96-03, DOE Regulatory Process for Radiological, Nuclear, and Process Safety for TWRS Privatization Contractors (Vieth 1996a)

- DOE/RL-96-04, Process for Establishing a Set of Radiological, Nuclear, and Process Safety Standards and Requirements for TWRS Privatization (Vieth 1996b)

- DOE/RL-96-05, Concept of the DOE Regulatory Process for Radiological, Nuclear, and

Process Safety for TWRS Privatization Contractors (Vieth 1996c)

· DOE/RL-96-06, Top-Level Radiological, Nuclear, and Process Safety Standards and Principles for TWRS Privatization Contractors (Vieth 1996d).

The contractor shall prepare and submit to the DOE Regulatory Unit for review and approval several radiological, nuclear, and process safety deliverables in accordance with the privatization contract.

4.2.1.6.5 Tri-Party Agreement Requirements

- TPA.M.20.58 Submit LAW Facility Part B Dangerous Waste Permit Application to Ecology. [Due Date: 12/31/2003]
- TPA.M.50.4 Start hot operations of HLW Pretreatment Facility. [Due Date: 6/30/2008]
- TPA.M.51.3 Initiate hot operations of the HLW Vitrification Facility. [Due Date: 12/31/2009]
- TPA.M.51.3.T.3 Initiate construction of the HLW vitrification facility. [Due Date: 6/30/2002]
- TPA.M.51.3.T.4 Complete construction of the HLW vitrification facility. [Due Date: 12/31/2007]

4.2.1.6.6 Interfaces

TABLE 4-12 Privatization Phase I Interfaces

Project Title	Project Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives BNFL VIT, HAZ
Tank Farm Operations	RL-TW03	Receives LAW/HLW Plant Phase I, Entrained Solids for Return to DSTs
Retrieval	RL-TW04	Provides LAW/HLW Plant, Phase I HLW Feed Provides LAW/HLW Plant, Phase I LAW Feed
Immobilized Tank Waste Storage & Disposal	RL-TW09	Provides Phase I IHLW Transportation Mechanism Receives LAW/HLW PH-1 Immobilized LAW Receives LAW/HLW Ph-I Non-Routine High-Level Solid Waste Receives Phase I IHLW Production Information Receives Phase I LAW/HLW Plant IHLW
Solid Waste Storage & Disposal	RL-WM03	Receives BNFL VIT, CH-LLMW-I Receives BNFL VIT, CH-LLMW-III Receives BNFL VIT, CH-LLW-I Receives BNFL VIT, CH-LLW-III Receives BNFL VIT, RH-LLMW-I Receives BNFL VIT, RH-LLW-III
Liquid Effluents	RL-WM05	Receives LAW/HLW Plant Phase 1 Deactivation Non-radioactive/Non-dangerous Liquid Effluent Receives LAW/HLW Plant Phase I, Deactivation Waste Water Receives LAW/HLW Plant Phase I, Non-radioactive/Non-dangerous Liquid Effluent Receives LAW/HLW Plant Phase I, Waste Water

4.2.1.6.7 Requirements References

- DE-RP06-96RL13308, TWRS Privatization Contract, DE-RP06-96RL13308"
- DOE/EIS-0189-ROD, Record of Decision for the Tank Waste Remediation System, Hanford Site, Richland, Washington. "
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.2.1.7 Privatization Phase II

4.2.1.7.1 Project Description Summary

Phase II will be the full-scale production phase, in which the facilities will be configured so all the waste can be processed. The objectives of Phase II are to implement the lessons from Phase I; to process all tank waste and the cesium and strontium capsules into forms suitable for final disposal; achieve competition and cost savings; and meet the Tri-Party Agreement milestones.

4.2.1.7.2 Life-Cycle Material and Waste Flow

The following tables contain the waste forecasts by facility and waste category that the project is planning to receive or generate over the full life cycle of the project's involvement with the facilities listed. The values listed are forecasts and not requirements allocated to the projects.

Table 4-13 Privatization Phase II Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
LAW Treatment Facility, Phase 2	HLW	2012 - 2028	531000	cubic meters
HLW Treatment Facility, Phase 2	HLW	2012 - 2028	168000	cubic meters

Table 4-14 Privatization Phase II Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
LAW Treatment Facility, Phase 2	CH LLMW I	2006 - 2019	1230	cubic meters
	CH LLMW III	2018 - 2019	142.0	cubic meters
	HLW	2012 - 2028	168000	cubic meters
	RH LLMW I	2010 - 2019	1740	cubic meters
	RH LLMW III	2012 - 2028	227000	cubic meters
	Sanitary Liquid Waste	2000 - 2033	1690	Mgal
	Sanitary Solid Waste	2000 - 2033	78.2	tons
	Treated Liquid Effluent	2012 - 2028	3400000	cubic meters
	Waste Water	2012 - 2029	580000	cubic meters
HLW Treatment Facility, Phase 2	CH LLMW III	2012 - 2020	5.0	cubic meters
	HLW	2012 - 2028	16400	cubic meters
	Treated Liquid Effluent	2012 - 2029	3490000	cubic meters
	Waste Water	2012 - 2029	580000	cubic meters

4.2.1.7.3 Facility Life-Cycle Requirements

- Requirements

  - DOE has decided to implement the Phased Implementation alternative for the tank waste.
  - The tank waste will be separated into low-activity and high-level waste
  - High level tank waste shall be immobilized.
  - Low activity tank waste shall be immobilized.

- Planning Assumptions

  - Future facilities shall be converted to a low cost stable deactivated condition when their functionality is no longer required to meet operational objectives.
  - Processing facilities shall be entombed in place with co-disposal of waste materials
  - Facilities other than processing facilities shall be dismantled.
  - Transitioned facilities shall be decontaminated and decommissioned sufficiently to enable removal or closure through entombment
  - Facilities shall be maintained within the approved safety envelope
  - The contents of the cesium capsules shall be blended with HLW feed, treated and dispositioned as immobilized HLW.
  - The contents of the strontium capsules shall be blended with HLW feed, treated and dispositioned as immobilized HLW.
  - Tank waste shall be separated into High Level and Low Activity fractions.

4.2.1.7.4 Project Safety Authorization Basis/NEPA and Permits

The requirements for the safety authorization basis for Phase II have not been developed. It is assumed that each private contractor will develop and implement an integrated, standards-based, safety management program to ensure that radiological, nuclear, and process safety requirements are defined, implemented, and maintained in accordance with U.S. Nuclear Regulatory Commission policies and procedures.

4.2.1.7.5 Tri-Party Agreement Requirements

  - TPA.M.50.0 Complete pretreatment processing of Hanford tank waste. [Due Date: 12/31/2028]
  - TPA.M.61.0 Complete pretreatment and immobilization of Hanford Low Activity Waste (LAW). [Due Date: 12/31/2028]

4.2.1.7.6 Interfaces

TABLE 4-15 Privatization Phase II Interfaces

Project Title	Project Number	Interface
Offsite Landfill	EXTERNAL	Receives Phase 2 Treatment Sanitary Solid Waste
Hazardous Waste Disposal Contracts	EXTERNAL	Receives BNFL VIT, HAZ Receives HLVP, HAZ
Retrieval	RL-TW04	Provides LAW Treatment Facility, Phase II Feed

TABLE 4-15 Privatization Phase II Interfaces (Continued)

Project Title	Project Number	Interface
Immobilized Tank Waste Storage & Disposal	RL-TW09	Receives Phase II HLW Plant IHLW Receives Phase II LAW Plant ILAW
Solid Waste Storage & Disposal	RL-WM03	Receives BNFL VIT, CH-LLMW-I Receives BNFL VIT, CH-LLMW-III Receives BNFL VIT, CH-LLW-I Receives BNFL VIT, CH-LLW-III Receives BNFL VIT, RH-LLMW-I Receives BNFL VIT, RH-LLW-III Receives HLVP, CH-LLMW-I Receives HLVP, CH-LLMW-III Receives HLVP, CH-LLW-I Receives HLVP, CH-LLW-III Receives HLVP, CH-TRUM Receives HLVP, RH-LLW-III Receives HLVP, RH-TRUM
Liquid Effluents	RL-WM05	Receives HLW Phase 2 Deactivation Waste Water Receives LAW Phase 2 Deactivation Waste Water Receives LAW Phase 2 Non-radioactive/Non-dangerous Liquid Effluent Receives LAW Phase 2 Waste Water Receives TWRS Ph2 HLW Deactivation WW, Non-radioactive/Non-dangerous Liquid Effluent Receives TWRS Ph2 HLW WW, Non-radioactive/Non-dangerous Liquid Effluent Receives TWRS Priv Ph 2 HLW, Waste Water
WESF	RL-TP02	Provides WESF Cesium Capsules Provides WESF Strontium Capsules

4.2.1.7.7 Requirements References

- DOE/EIS-0189-ROD, Record of Decision for the Tank Waste Remediation System, Hanford Site, Richland, Washington. "
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.2.1.8 Privatization Infrastructure

4.2.1.8.1 Project Description Summary

Part of the RPP mission is to separate the Hanford Site's tank waste into low-activity waste (LAW) and high-level waste (HLW) fractions and to immobilize and dispose of them in an environmentally sound, safe, and cost-effective manner. To achieve this, a two-phased strategy that uses the private sector has been implemented to treat and immobilize the LAW and HLW fractions. Phase I will treat, immobilize, and store or dispose approximately 10 percent (by volume) of the tank waste. Phase II will pretreat, immobilize, and dispose of the remainder of the tank waste, using full-scale production facilities.

The contract that DOE-RL and the privatization contractor signed in August 1998 establishes the general scope and timing requirements for the Privatization Infrastructure Program. These requirements are defined in more detail in the TWRS Privatization Project Interface Control Document (BNFL 1998), and will be further modified as a result of the DOE-RL's decision on whether to proceed with privatization in August 2000.

4.2.1.8.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.2.1.8.3 Facility Life-Cycle Requirements

- Requirements
  - None
- Planning Assumptions
  - None

4.2.1.8.4 Project Safety Authorization Basis/NEPA and Permits

The Authorization Basis consists of those aspects of the facility design basis and operational requirements relied upon by the DOE to authorize operation. These aspects are considered important to the safety of the facility operations. The complete list of documents that comprise the Authorization Basis for RPP facilities and activities is provided in Attachment A of HNF-IP-0842, TWRS Administration, Volume IV, Section 5.4, "Unreviewed Safety Questions" (FDH 1998a). In addition, the Waste Management Authorization Basis applies to some elements of this project. The Privatization Infrastructure Project facilities and activities will be evaluated to verify that they are within the current Authorization Basis. If any facilities or activities are determined to be outside the current Authorization Basis, modifications to the Authorization Basis will be required.

4.2.1.8.5 Tri-Party Agreement Requirements

- None

4.2.1.8.6 Interfaces

The Privatization Infrastructure Project will provide selected utilities and services that connect the Privatization Phase I and Privatization Phase II facilities with interfacing facilities noted in Sections 4.2.1.6.8 and 4.2.1.7.8. Utilities included are raw and potable water, electricity, and road access. Services included are radioactive solid waste and liquid effluent disposal.

4.2.1.8.7 Requirements References

- None

4.2.1.9 Immobilized Tank Waste Storage & Disposal

4.2.1.9.1 Project Description Summary

The Immobilized Tank Waste Storage & Disposal project will provide safe storage and final near-surface disposal on the Hanford Site for immobilized low activity tank waste (ILAW), and interim storage for immobilized high level waste (IHLW).

The ILAW project will be complete when the immobilized low activity tank waste is disposed of on the Hanford site, long term surveillance and monitoring of the ILAW disposal site is ongoing, and interim storage facilities have been decontaminated and decommissioned, and closure barriers have been placed over disposal sites. The ILAW Storage and Disposal facilities will accept the immobilized low activity tank waste from TWRS privatization vendor. The ILAW waste packages will be placed in near surface disposal facilities. The near surface disposal systems along with the waste package are to meet DOE regulatory requirements for near-surface disposal of low-level waste.

The IHLW Interim Storage Facility will receive IHLW, and transport these products to a Canister Storage Building (CSB), where the product will be stored until shipped to a geologic repository. Storage of the Phase I product in the CSB will consolidate the high level waste in one area and provide a safe environmentally sound storage of the IHLW product. HLW Interim Storage will provide additional storage capacity during Phase 1B and II privatization. In addition HLW Interim Storage will provide loadout capability for shipment of IHLW canisters to a geologic repository.

IHLW and ILAW waste receipts are currently planned to commence in 2007 and 2008, respectively.

4.2.1.9.2 Life-Cycle Material and Waste Flow

The following tables contain the waste forecasts by facility and waste category that the project is planning to receive or generate over the full life cycle of the project's involvement with the facilities listed. The values listed are forecasts and not requirements allocated to the projects.

Table 4-16 Immobilized Tank Waste Storage & Disposal Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
Canister Storage Building	HLW	2007 - 2018	725.0	cubic meters
IHLW Storage Modules, Part 2	HLW	2012 - 2028	16400	cubic meters
Immobilized LAW Disposal Facility	RH LLMW III	2008 - 2028	251000	cubic meters

Table 4-17 Immobilized Tank Waste Storage & Disposal Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
Canister Storage Building	HLW	2036 - 2036	725.0	cubic meters
IHLW Storage Modules, Part 2	HLW	2036 - 2044	16400	cubic meters
	Sanitary Liquid Waste	2000 - 2042	16.7	Mgal
	Sanitary Solid Waste	2041 - 2044	402000	cubic meters
	Sanitary Solid Waste	2000 - 2043	407.0	tons

4.2.1.9.3 Facility Life-Cycle Requirements

- Requirements

  - DOE has decided to implement the Phased Implementation alternative for the tank waste.
  - Vitrified high-level waste will be placed in interim storage at the Canister Storage Building pending future disposal at a national geologic repository.
  - The immobilized low activity waste will be disposed of onsite in near-surface disposal facilities.
  - The high level waste produced during Phase II will be temporarily stored on-site.
  - Immobilized low activity tank waste shall be disposed in the Central Plateau.
  - Immobilized high level waste interim storage facility shall be provided.
  - Acceptance of HLW into the Civilian Radioactive Waste Management System (CRWMS) shall be in accordance with DOE/RW-0351P, rev.1, Waste Acceptance System Requirements.

- Planning Assumptions

  - Remediation levels and disposal standards that are consistent with long term uses for the central plateau shall be established by either the Resource Conservation and Recovery Act of 1976 (RCRA), CERCLA, or NEPA.
  - Future facilities shall be converted to a low cost stable deactivated condition when their functionality is no longer required to meet operational objectives.
  - Facilities other than processing facilities shall be dismantled.
  - Transitioned facilities shall be decontaminated and decommissioned sufficiently to enable removal or closure through entombment
  - Central Plateau shall be used for the disposal of radioactive waste materials that remain onsite.
  - Immobilized high level waste shall be shipped to the national high level waste repository.
  - Central Plateau facilities shall be maintained within the approved safety envelope
  - Facilities shall be maintained within the approved safety envelope

4.2.1.9.4 Project Safety Authorization Basis/NEPA and Permits

The Authorization Basis consists of those aspects of the facility design basis and operational requirements relied upon by the DOE to authorize operation. These aspects are considered

important to the safety of the facility operations. The complete list of documents that comprise the Authorization Basis for RPP facilities and activities is provided in Attachment A of HNF-IP-0842, TWRS Administration, Volume IV, Section 5.4, "Unreviewed Safety Questions" (FDH 1998a). The current Authorization Basis does not include all activities of the Immobilized Tank Waste Storage & Disposal Project. Therefore, modifications to the current Authorization Basis will be required.

The project has defined and planned the necessary permits that need to be prepared, reviewed, and issued before startup of the facilities. The recently issued TWRS EIS (DOE 1996a) and ROD (DOE 1997a) provide NEPA coverage for ILAW and IHLW storage and disposal.

A performance assessment is being prepared to examine the long-term environmental and human health effects associated with the planned disposal of the ILAW. The assessment is required by Tri-Party Agreement Milestone M-90-05-T01, "Submit Final ILAW Disposal Facility Performance Agreement to Ecology for Review." The U.S. Nuclear Regulatory Commission has indicated that the ILAW would be considered "incidental waste" if the DOE follows its program plan for separating and immobilizing the waste to the maximum extent technically and economically practical. In addition, the ILAW must meet Class C standards of 10 CFR 61. If the performance assessments continue to show that public health and safety would be protected to standards comparable to those established by the U.S. Nuclear Regulatory Commission for the disposal of LLW, the U.S. Nuclear Regulatory Commission will consider it incidental waste. Currently, the DOE and its contractors are obligated to meet the requirements of DOE Order 5820.2A. It is anticipated that DOE Order 435.1 will become the primary regulation governing management and disposal of radioactive wastes at DOE facilities.

The contractor is responsible for obtaining the required permits to support facility operation.

4.2.1.9.5 Tri-Party Agreement Requirements

- TPA.M.20.56 Submit Canister Storage Facility Part B Dangerous Waste Permit Application to Ecology. [Due Date: 12/31/2000]
- TPA.M.20.57 Submit Interim ILAW Facility Part B Dangerous Waste Permit Application to Ecology. [Due Date: 12/31/2000]
- TPA.M.90.0 Complete acquistion of new facilities, modification of existing facilities, and/or modification of planned facilities as necessary for storage of Hanford Site IHLW and ILAW, and disposal of ILAW. [Due Date: TBD. Six months after approval of Project Management Plan]
- TPA.M.90.3 Initiate ILAW Interim Storage Facility construction. [Due Date: 6/30/2001]
- TPA.M.90.6 Initiate Hot Operations of ILAW Interim Storage Facility. [Due Date: 12/31/2002]
- TPA.M.90.8 Complete ILAW Disposal Facility Construction [Due Date: 6/30/2003]
- TPA.M.90.10 Initiate Hot Operations of ILAW Disposal Facility [Due Date: 12/31/2005]

4.2.1.9.6 Interfaces

TABLE 4-18 Immobilized Tank Waste Storage & Disposal Interfaces

Project Title	Project Number	Interface
National Geologic Repository	EXTERNAL	Receives Phase I IHLW from CSB Receives Phase II IHLW from IHLW Phase II Storage
Offsite Landfill	EXTERNAL	Receives HLW Storage, Sanitary Solid Waste Receives IHLW Storage Sanitary Solid Waste
Privatization Phase I	RL-TW06	Provides LAW/HLW PH-1 Immobilized LAW Provides LAW/HLW Ph-I Non-Routine High-Level Solid Waste Provides Phase I IHLW Production Information Provides Phase I LAW/HLW Plant IHLW Receives Phase I IHLW Transportation Mechanism
Privatization Phase II	RL-TW07	Provides Phase II HLW Plant IHLW Provides Phase II LAW Plant ILAW
Canister Storage Building Operations	RL-WM02	Receives Excess Canister Storage Building
ER Disposal Facility (ERDF)	RL-ER04	Receives Rubble from the IHLW Storage Modules, Phase II Facility Demolition

4.2.1.9.7 Requirements References

- DOE/EIS-0189-ROD, Record of Decision for the Tank Waste Remediation System, Hanford Site, Richland, Washington. "
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- DOE/RW-0351P, Waste Acceptance System Requirements Document"

4.2.1.10 RPP Management Support

4.2.1.10.1 Project Description Summary

The RPP Management Support Project (MSP) provides program management services and oversight that sustain RPP integration and control. Practical products of MSP work are systems developed, improved, deployed, and maintained to structure program strategy, direction and business management in support of the RPP technical functions, waste storage and waste disposal. Primary MSP functions include: 1) executive management and strategic planning; 2) systems engineering to support risk and decision management and ongoing evolution of the RPP technical bases; 3) administration of a core program and crosscutting services to ensure environmental, safety, health and quality assurance compliance to all regulatory and contractual requirements applicable for RPP; 4) and life-cycle project management that includes work to establish and maintain technical, cost and schedule elements for the RPP baseline.

4.2.1.10.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.2.1.10.3 Facility Life-Cycle Requirements

- Requirements

  - None

- Planning Assumptions

  - None

4.2.1.10.4 Project Safety Authorization Basis/NEPA and Permits

The RPP Management Support Project is a management and integration project that does not have facility or operation responsibilities. The RPP Management Support Project does not require a Safety Authorization Basis.

4.2.1.10.5 Tri-Party Agreement Requirements

  - None

4.2.1.10.6 Interfaces

4.2.1.10.7 Requirements References

  - None

Concurrence: _____
H. E. Bilson, Director
Waste Programs Division,
U.S. Department of Energy,
Richland Operations Office

Approved by: _____
J. M. Augustenborg, Acting
Manager
Assistant Manager for Waste
Management,
U.S. Department of Energy,
Richland Operations Office

4.2.2 Waste Management Project

This project has the lead to ensure waste minimization programs are applied across the Hanford Site in accordance with DOE/RL-91-31, Hanford Site Waste Minimization and Pollution Prevention Program Plan (RL 1997a).

The Mission of the Hanford Waste Management Project is to provide safe, compliant, and cost-effective waste management services for the Hanford Site and DOE complex. These services include solid waste storage, treatment, and disposal and management of liquid effluents. In addition, the Project provides cross-cutting support services including analytical services, waste generator services, transportation and packaging, and waste minimization.

4.2.2.a Project Structure

- Solid Waste Storage & Disposal (RL-WM03)
- Solid Waste Treatment (RL-WM04)
- Liquid Effluents (RL-WM05)
- Analytical Services (RL-WM06)

4.2.2.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

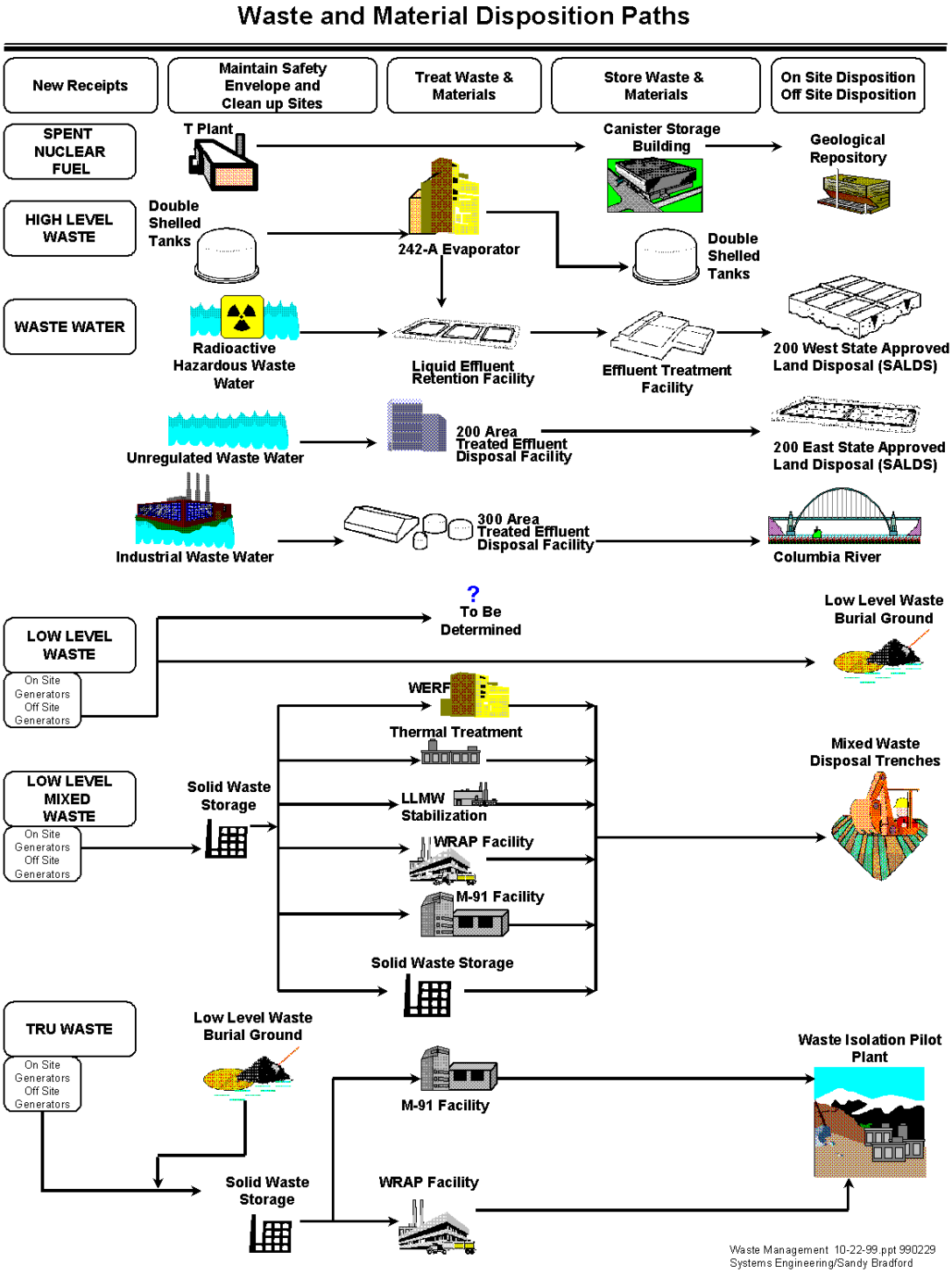
- The 200 Areas and central plateau will be used for the management of nuclear materials and the collection and disposal of waste materials that remain onsite and for other related and compatible uses. Cleanup levels and disposal standards will be established that are consistent with these long-term uses.
- The 300 Area waste sites, materials and facilities will be remediated to allow industrial and economic diversification opportunities. The Federal government will retain ownership of land in and adjacent to the 300 and 400 Areas, but will lease land for private and public uses to support regional industrial and economic development. Excess land within the 1100 Area will be targeted for transition to non-Federal ownership.
- Solid wastes will be dispositioned consistent with national policies for management of transuranic, low level, low level mixed and hazardous wastes. Hanford will continue to receive onsite and offsite wastes for disposal in the 200 Area.

- Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.
- Surplus facilities will be decommissioned and decontaminated sufficiently to enable removal or closure through entombment.
- Spent nuclear fuels will be prepared and packaged as necessary for interim, dry storage onsite, and shipped offsite for disposal in a national repository.

4.2.2.c Technical Logic

Figure 4-3 presents the material flow/logic for the entire Waste Management Project.

Figure 4-3 Waste Management Material/Flow Logic



4.2.2.d Facility Life-Cycle Responsibility Assignments

Table 4-19 Waste Management Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
200 LEF	RL-WM05				RL-WM05		RL-ER02 RL-ER06
242-A Evaporator	RL-WM05				RL-WM05	RL-ER05 RL-TP10	RL-ER06 RL-ER07
242A	RL-WM05				RL-WM05	RL-TP10 RL-TP13	RL-ER06 RL-TP13
242AB	RL-WM05				RL-WM05	RL-TP10 RL-TP13	RL-ER06 RL-TP13
Liquid Effluent Retention Facility	RL-WM05				RL-WM05	RL-ER05 RL-TP10	RL-ER06 RL-ER07
242AL	RL-WM05				RL-WM05		RL-ER06
242AL-42	RL-WM05				RL-WM05	RL-TP10	RL-ER06
242AL-43	RL-WM05				RL-WM05	RL-TP10	RL-ER06
242AL-44	RL-WM05				RL-WM05	RL-TP10	RL-ER06
242AL11	RL-WM05				RL-WM05	RL-TP10	RL-ER06
200 Area Effluent Treatment Facility	RL-WM05				RL-WM05	RL-ER05 RL-TP10	RL-ER06 RL-ER07
2025E	RL-WM05				RL-WM05	RL-TP10	RL-ER06
2025EA	RL-WM05				RL-WM05		RL-ER06
2025EC	RL-WM05				RL-WM05	RL-TP10	RL-ER06
2025EC71	RL-WM05				RL-WM05	RL-TP10	RL-ER06
200 Area Treated Effluent Disposal Facility	RL-WM05				RL-WM05	RL-TP13	RL-TP13
216E-43A	RL-WM05				RL-WM05	RL-TP13	RL-TP13
216E-43B	RL-WM05				RL-WM05	RL-TP13	RL-TP13
225E	RL-WM05				RL-WM05	RL-TP13	RL-TP13
225W	RL-WM05				RL-WM05	RL-TP10	RL-ER06
6653A	RL-WM05				RL-WM05	RL-TP13	RL-TP13
Miscellaneous Streams	RL-WM05				RL-WM05		RL-ER06
200E SALDS	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
200W SALDS	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
242A702	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
242A81	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
PUREX	RL-TP03					RL-ER05 RL-TP03	RL-ER06 RL-ER07
225EC	RL-TP03				RL-WM05	RL-TP13	RL-TP13
T-Plant Canyon Facility	RL-WM04				RL-WM04	RL-ER05 RL-TP10	RL-ER06 RL-ER07
211T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
211T52	RL-WM04				RL-WM04	RL-TP10	RL-ER06
214T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
222T	RL-WM04					RL-TP10	RL-ER06
221T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
221TA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
221TB	RL-WM04				RL-WM04	RL-TP10	RL-ER06
225WA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
231T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2715T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2716T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
271T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
277T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
291T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
292T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2706T Facility	RL-WM04				RL-WM04	RL-ER05 RL-TP10	RL-ER06 RL-ER07

Table 4-19 Waste Management Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
2706TA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2706TB	RL-WM04				RL-WM04	RL-TP10	RL-ER06
M-91 Facility	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-TP10	RL-ER06
Low-Level Mixed Waste Stabilization Contract	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-TP10	RL-ER06
Thermal Treatment Contract	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-TP10	RL-ER06
WRAP	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2336W	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2740W	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2620W	RL-WM04				RL-WM04	RL-TP10	RL-ER06
218W5252	RL-WM04				RL-WM04	RL-TP10	RL-ER06
218W5252A	RL-WM04				RL-WM04	RL-TP10	RL-ER06
Solid Waste Storage	RL-WM03				RL-WM03	RL-TP10 RL-WM03	RL-ER06
Central Waste Complex	RL-WM03				RL-WM03	RL-WM03	RL-ER06 RL-ER07
2120WA	RL-WM03				RL-WM03		RL-ER06
2120WB	RL-WM03				RL-WM03		RL-ER06
2401W	RL-WM03				RL-WM03		RL-ER06
2404WA	RL-WM03				RL-WM03		RL-ER06
2404WB	RL-WM03				RL-WM03		RL-ER06
2404WC	RL-WM03				RL-WM03		RL-ER06
2402W	RL-WM03				RL-WM03		RL-ER06
2402WB	RL-WM03				RL-WM03		RL-ER06
2402WC	RL-WM03				RL-WM03		RL-ER06
2402WD	RL-WM03				RL-WM03		RL-ER06
2402WE	RL-WM03				RL-WM03		RL-ER06
2402WF	RL-WM03				RL-WM03		RL-ER06
2402WG	RL-WM03				RL-WM03		RL-ER06
2402WH	RL-WM03				RL-WM03		RL-ER06
2402WI	RL-WM03				RL-WM03		RL-ER06
2402WJ	RL-WM03				RL-WM03		RL-ER06
2402WK	RL-WM03				RL-WM03		RL-ER06
2402WL	RL-WM03				RL-WM03		RL-ER06
2403WA	RL-WM03				RL-WM03		RL-ER06
2403WB	RL-WM03				RL-WM03		RL-ER06
2403WC	RL-WM03				RL-WM03		RL-ER06
2403WD	RL-WM03				RL-WM03		RL-ER06
209E Pad	RL-WM03				RL-WM03		RL-ER06
2420W	RL-WM03				RL-WM03		RL-ER06
Alkalide Metal Waste Storage Modules	RL-WM03				RL-WM03		RL-ER06
Nonradioactive Dangerous Waste Storage Facility	RL-WM03				RL-WM03	RL-WM03	RL-ER06 RL-ER07
2727W	RL-WM03				RL-WM03	RL-TP10	RL-ER06
616	RL-WM03				RL-WM03		RL-ER06
Solid Waste Disposal	RL-WM03				RL-WM03	RL-ER02	RL-ER02
Low-Level Waste Burial Grounds	RL-WM03				RL-WM03	RL-ER02 RL-WM03	RL-ER02 RL-ER07
Mixed Waste Disposal Trenches	RL-WM03				RL-WM03	RL-WM03	RL-ER02 RL-ER07
222-S Laboratory	RL-WM06				RL-WM06	RL-ER05 RL-TP10	RL-ER06 RL-ER07
207SL	RL-WM06				RL-WM06	RL-TP10	RL-ER06
212S/213S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
219S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SA	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SB	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SC	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SD	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SE	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SF	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SG	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SH	RL-WM06				RL-WM06	RL-TP10	RL-ER06
225WB	RL-WM06				RL-WM06	RL-TP10	RL-ER06
2716S	RL-WM06				RL-WM06	RL-TP10	RL-ER06

Table 4-19 Waste Management Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
2734S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
272S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
WSCF	RL-WM06				RL-WM06	RL-ER06	RL-ER06 RL-ER07
6265A	RL-WM06				RL-WM06	RL-ER06	RL-ER06
6265	RL-WM06				RL-WM06	RL-ER06	RL-ER06
6266	RL-WM06				RL-WM06	RL-TP10	RL-ER06
6266B	RL-WM06				RL-WM06	RL-TP10	RL-ER06
6266A	RL-WM06				RL-WM06	RL-TP10	RL-ER06
6267	RL-WM06				RL-WM06	RL-TP10	RL-ER06
6268	RL-WM06				RL-WM06	RL-ER06	RL-ER06
6269	RL-WM06				RL-WM06	RL-ER06	RL-ER06
6270	RL-WM06				RL-WM06	RL-ER06	RL-ER06
300 LEF	RL-WM05				RL-WM05	RL-ER03 RL-WM05	RL-ER03
300 Area Treated Effluent Disposal Facility	RL-WM05				RL-WM05	RL-TP13	RL-TP13
310	RL-WM05				RL-WM05	RL-TP13	RL-TP13
310S	RL-WM05				RL-WM05	RL-TP13	RL-TP13
3906	RL-WM05				RL-WM05	RL-TP13	RL-TP13
307 Retention Basins	RL-WM05				RL-WM05	RL-WM05	RL-ER06 RL-ER07
340 Waste Handling Facility	RL-WM05				RL-WM05	RL-ER05 RL-WM05	RL-ER06 RL-ER07
340	RL-WM05				RL-WM05	RL-WM05	RL-ER06
340A	RL-WM05				RL-WM05	RL-WM05	RL-ER06
340B	RL-WM05				RL-WM05	RL-WM05	RL-ER06
342	RL-WM05				RL-WM05	RL-WM05	RL-ER06
342A	RL-WM05				RL-WM05	RL-WM05	RL-ER06
342B	RL-WM05				RL-WM05	RL-WM05	RL-ER06
342C	RL-WM05				RL-WM05	RL-WM05	RL-ER06
3707F	RL-WM05				RL-WM05	RL-WM05	RL-ER06

* RL PBS Identifier Index:

RL-ER02 - 200 Area Source Remedial Action
RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-TP03 - PUREX
RL-TP10 - Accelerated Deactivation
RL-TP13 - Landlord
RL-WM03 - Solid Waste Storage & Disposal
RL-WM04 - Solid Waste Treatment
RL-WM05 - Liquid Effluents
RL-WM06 - Analytical Services

TABLE 4-20 Waste Management Facility Life-Cycle Responsibility Assignments for Waste Sites

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
CP Soil Site Operable Units	Active		RL-ER02 RL-ER05	RL-ER02 RL-ER07
200-E-20, 218-E-10 Borrow Pit	Rejected(Proposed)	RL-WM03		
200 ETF, 200 Area Effluent Treatment Facility (ETF), 2025-E	Active	RL-WM05	RL-ER02	RL-ER02
200-E-17, 200 Area Liquid Effluent Retention Facility (LERF)	Active	RL-WM05	RL-ER02	RL-ER02
UPR-200-W-2, UN-200-W-2	Active	RL-WM04	RL-ER02	RL-ER02

TABLE 4-20 Waste Management Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-W-98, UN-216-W-6, 221-T at R-19 Waste Line Break, UN-200-W-98	Active	RL-WM04	RL-ER02	RL-ER02
207-SL, 222-S Retention Basin, REDOX Lab Retention Basin, 207-SL Retention Basin	Active	RL-WM06	RL-ER02	RL-ER02
216-T-29, 291-T Sand Filter Sewer, 216-T-29 French Drain	Active	RL-WM04	RL-ER02	RL-ER02
616-WS-1, 616 NDWSF French Drain	Rejected(Proposed)	RL-WM03		
242-A, 241-A Evaporator	Active	RL-WM05	RL-ER02	RL-ER02
207-A-SOUTH, 207-A, 207-A Retention Basin, 207-A-SOUTH Retention Basin, 207-A South	Active	RL-WM05	RL-ER02	RL-ER02
200-W-46, 222-S Laboratory Room 4-E 90-Day Waste Accumulation Area	Active	RL-WM06		
200-W-49, 222-S Laboratory Room 2-D 90-Day Waste Accumulation Area	Active	RL-WM06		
219-S-101, 219-S-TK-101, TK-101 Crib Waste Receiver, 219-S, TK-101 Receiver Tank	Active	RL-WM06	RL-ER02	RL-ER02
219-S-102, 219-S-TK-102, 219-S Storage Tank 102, 219-S Primary Treatment Tank TK-102	Active	RL-WM06	RL-ER02	RL-ER02
219-S-103, 219-S-TK-103, 219-S Storage Tank 103, 219-S Backup Treatment Tank TK-103	Active	RL-WM06	RL-ER02	RL-ER02
222-SD, 222-S Laboratories Storage Pad, 222-SD, 222-S Storage Pad	Active	RL-WM06	RL-ER02	RL-ER02
296-S-13	Active	RL-WM06	RL-ER02	RL-ER02
296-S-16	Active	RL-WM06	RL-ER02	RL-ER02
296-S-21	Active	RL-WM06	RL-ER02	RL-ER02
207-A-NORTH, 207-A, 207-A Retention Basin, 207-A-NORTH Retention Basin, 207-A North	Active	RL-WM05	RL-ER02	RL-ER02
2607-W3	Active	RL-WM04	RL-ER02	RL-ER02
2607-W4, T Plant Septic Tank and Drain Field	Active	RL-WM04	RL-ER02	RL-ER02
2607-W6	Active	RL-WM06	RL-ER02	RL-ER02
6607-5	Active	RL-WM03	RL-ER02	RL-ER02
218-W-6	Active	RL-WM03	RL-ER02	RL-ER02
218-E-10, 200 East Industrial Waste No. 10, Equipment Burial Ground #10	Active	RL-WM03	RL-ER02	RL-ER02
218-E-12B, 200 East Dry Waste No. 12B, 218-E-12B Burial Ground - Trench 94	Active	RL-WM03	RL-ER02	RL-ER02
218-W-3A, Dry Waste No. 003A	Active	RL-WM03	RL-ER02	RL-ER02
218-W-3AE, Industrial Waste No. 3AE, Dry Waste No. 3AE	Active	RL-WM03	RL-ER02	RL-ER02
218-W-3B, (Low-Level Waste Burial Grounds)	Active	RL-WM03	RL-ER02	RL-ER02
218-W-4B, Dry Waste No. 04B	Active	RL-WM03	RL-ER02	RL-ER02
218-W-4C, Dry Waste No. 004C	Active	RL-WM03	RL-ER02	RL-ER02
218-W-5, Dry Waste Burial Ground, Low-Level Radioactive Mixed Waste Burial Grounds	Active	RL-WM03	RL-ER02	RL-ER02
UPR-200-E-61, Radioactive Contamination from Railroad Burial Cars, UN-216-E-61, UN-200-E-61	Rejected(Proposed)	RL-WM03		
200-W-20, 2706-T Railroad Pit Sump, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
200-W-36,TK-SQ-143, EP 211-143	Active	RL-WM04	RL-ER02	RL-ER02
200-W-40, 292-T, Emission Control Lab, Stack Gas Sampling Building	Active	RL-WM04	RL-ER02	RL-ER02
200-W-45, 291-T Sand Filter, T Plant Stack Sand Filter	Active	RL-WM04	RL-ER02	RL-ER02
200-W-47, 211-T Storage Pad 90-Day Waste Accumulation Area	Active	RL-WM04		
200-W-50, 2706-T 90-Day Waste Accumulation Area	Active	RL-WM04		
221-T-11-R, 221-T-TK-11-R, Tank 11-R 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
221-T-15-1, 221-T-TK-15-1, Tank 15-1 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
221-T-5-6, 221-T-TK-5-6, Tank 5-6 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
221-T-5-7, 221-T-TK-5-7, Tank 5-7 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
221-T-5-9, 221-T-TK-5-9, Tank 5-9 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
221-T-6-1, 221-T-TK-6-1, Tank 6-1 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
200-E-8, 200 East Trench 94 Diesel Spill	Active	RL-WM03		
UPR-200-W-65, Contamination in the T-Plant Railroad Cut, UN-200-W-65	Active	RL-WM04	RL-ER02	RL-ER02
UPR-200-W-73, Contaminated Railroad Track at 221-T, UN-200-W-73	Active	RL-WM04	RL-ER02	RL-ER02
UPR-200-W-85, Radioactive Spill from Multipurpose Transfer Box, UN-216-W-85, UN-200-W-85	Active	RL-WM04	RL-ER02	RL-ER02
UPR-200-W-87, UN-216-W-87, Radioactive Spill from Filter Housing, UN-200-W-87	Active	RL-WM06	RL-ER02	RL-ER02
RMWSF, Radioactive Mixed Waste Storage Facility, 2401W, 2401WB, -WC, -WD, -WE, -WF, -WG, -WH, -WI, -WJ, -WK, -WL, Hanford Central Waste Complex	Active	RL-WM03		RL-ER02

TABLE 4-20 Waste Management Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
RMWSF, Radioactive Mixed Waste Storage Facility, 2401W, 2402WB, -WC, -WD, -WE, -WF, -WG, -WH, -WI, -WJ, -WK, -WL, Hanford Central Waste Complex, 2403WA, -WB, -WC, -WD, 2404WA, -WB, -WC	Active	RL-WM03	RL-ER02	RL-ER02
WRAP, Waste Receiving and Processing Facility	Active	RL-WM04	RL-ER02	RL-ER02
CC Soil Site Operable Units	Active		RL-ER02	RL-ER02 RL-ER07
200-A TEDF, 200 Area Treated Effluent Disposal Facility, TEDF, 600-145, 216-E-43A and 216-E-43B	Active	RL-WM05	RL-ER02	RL-ER02
6607-16, Septic Tank, Project C-018H, ECN-C018H-040	Active	RL-WM05	RL-ER02	RL-ER02
600-215, 6265A 90-Day Waste Accumulation Area	Active	RL-WM06		
616, 616 Building Non-Radioactive Dangerous Waste Storage Facility, 616 Nonradioactive Dangerous Waste Storage	Active	RL-WM03	RL-ER02	RL-ER02
6607-9, Septic Tank 6607-9 Large On-Site Sewage System, Project W-011H	Active	RL-WM06	RL-ER02	RL-ER02
600-211, State Approved Land Disposal Site, SALDS, 616A	Active	RL-WM05	RL-ER02	RL-ER02
S600 Soil Site Operable Units	Active		RL-ER03 RL-ER05	RL-ER03 RL-ER07
300 RLWS, 300 Area RLWS, 300 Area Radioactive Liquid Waste Sewer	Active	RL-WM05	RL-ER03	RL-ER03
300 RRLWS, 300 Area Retired RLWS, 300 Area Retired Radioactive Liquid Waste Sewer System, Crib Waste System, Contaminated Sewer, Intermediate Level Radioactive Liquid Waste System	Active	RL-WM05	RL-ER03	RL-ER03
300-112, 340 P-3 Pump Pit, Retention Process Sewer Pump Pit #3 French Drain, Miscellaneous Stream #428	Rejected	RL-WM05		
300-113, 340 Building Steam Condensate/ Water Heater Overflow, Miscellaneous Stream #341	Rejected	RL-WM05		
300-114, 340A Building Steam Condensate, Miscellaneous Stream #427	Rejected	RL-WM05		
300-115, 340B Building Backflow Preventer Emergency Drain, Miscellaneous Stream #426	Rejected	RL-WM05		
300-15, 300 Area Process Sewer System	Active	RL-WM05	RL-ER03	RL-ER03
300-175, 3714 Building Steam Condensate, Miscellaneous Stream #434	Active	RL-WM05	RL-ER03	RL-ER03
300-214, 300 Area Retention Process Sewer	Active	RL-WM05	RL-ER03	RL-ER03
300-34, 300 Area Process Sewer Leak (found during Project L-070 excavation at manhole PS-87)	Active	RL-WM05	RL-ER03	RL-ER03
300-40, Corrosion of Vitrified Clay Sewer Pipe	Active	RL-WM05	RL-ER03	RL-ER03
307 RB, 307 Retention Basins	Active	RL-WM05	RL-ER03	RL-ER03
316-3, 307 Disposal Trenches, Process Water Trenches	Active	RL-WM05	RL-ER03	RL-ER03
340 CHWSA, 340 Complex HWSA, 340 Complex Hazardous Waste Storage Area	Rejected	RL-WM05	RL-ER03	RL-ER03
340 COMPLEX, 340 Radioactive Liquid Waste Handling Facility	Active	RL-WM05		
600-117, 300 Area Treated Effluent Disposal Facility (TEDF), 310 Building	Active	RL-WM05	RL-ER03	RL-ER03
600-210, 300 Area TEDF Outfall	Rejected	RL-WM05		
UPR-300-1, 316-1, 316-1A, 307-340 Waste Line Leak, UN-300-1	Active	RL-WM05	RL-ER03	RL-ER03
UPR-300-11, Underground Radioactive Liquid Line Leak, UN-300-11	Active	RL-WM05	RL-ER03	RL-ER03
UPR-300-2, Releases at the 340 Facility, UN-300-2, UN-316-2	Active	RL-WM05	RL-ER03	RL-ER03
UPR-300-41, 300 Area #340 Building Phosphoric Acid Spill, UN-300-41	Closed Out	RL-WM05		RL-ER03

The 'Rejected' and 'Completed' waste sites are part of the Project Hanford Management Contract (PHMC), but require no additional work from the PHMC team. When they are removed from the contract via direction from the RL Contracting Officer representative, they will be removed from this specification.

* RL PBS Identifier Index:

RL-ER02 - 200 Area Source Remedial Action
RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER07 - Long Term Surveillance & Maintenance
RL-WM03 - Solid Waste Storage & Disposal
RL-WM04 - Solid Waste Treatment
RL-WM05 - Liquid Effluents
RL-WM06 - Analytical Services

4.2.2.e Performance Measures

Performance measures are used to monitor both mission and corporate management. In this document, our focus is on mission management. There are two types of mission-focused performance measures. First, there are performance measures that monitor the progress made on activities that must be completed to enable key steps in waste/material cleanup to occur. These activities may involve such things as facility and system upgrades, development of waste treatment approaches, obtaining regulatory permits, and the negotiation of waste disposal contracts and turnover criteria for unneeded facilities.

Second, there are performance measures that track the progress made in the processing of wastes and other materials (including facilities). These "process" measures monitor changes in waste/material form, storage method, and location. These measures are important because they are directly linked to two key Success Indicators - the reduction in the level of active management required for the inventory and the reduction in the hazard posed by the waste/material. Process measures will monitor the waste/material during each major processing step as the waste material is received from other programs or offsite generators and transitions to the configuration described by the appropriate endpoint target or performance objective. For the Solid Waste project, the endpoint targets for TRU wastes, LLW, and LLMW are presented in the Hanford Strategic Plan and are included in the *Facility Life-Cycle Requirements Section* for the project.

For other waste materials that do not have explicit endpoint targets, performance measures will monitor the processing and movement of wastes that are conducted to achieve appropriate performance objectives (as presented in *Multi-Year Work Plans*).

4.2.2.1 Solid Waste Storage & Disposal

4.2.2.1.1 Project Description Summary

The Solid Waste Storage and Disposal Project provides centralized facilities for the interim storage of solid radioactive mixed low-level waste (MLLW) and transuranic (TRU) wastes and the disposal of solid radioactive MLLW and low-level waste (LLW) for onsite and offsite generators. This supports other Hanford projects (River Protection Project, Spent Nuclear Fuels, Facility Stabilization, Liquid Effluents, Analytical Services and Environmental Restoration) and complex wide projects with the required services in support of their missions and end points. This includes the management, operations, surveillance, monitoring, and maintenance of facility buildings, burial grounds, and current waste inventories. Additionally this project provides inventory reductions through the final disposal of LLW and LDR compliant MLLW. The Solid Waste Storage and Disposal mission is to responsibly manage current and future solid waste streams in a safe, cost-effective and environmentally compliant manner.

4.2.2.1.2 Life-Cycle Material and Waste Flow

The solid waste life cycle projections are based on the Solid Waste Integrated Forecast

(SWIFT) Report: FY1999 to FY2046, 99.0, revised on 11/30/1998.

Table 4-21 Solid Waste Storage & Disposal Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
Solid Waste Storage	CH LLMW I	2000 - 2046	35500	cubic meters
	CH LLMW III	2000 - 2035	3520	cubic meters
	CH TRU	2000 - 2032	5780	cubic meters
	CH TRUM	2000 - 2037	2580	cubic meters
	RH LLMW I	2000 - 2032	2730	cubic meters
	RH LLMW III	2000 - 2031	27900	cubic meters
	RH TRU	2000 - 2033	216.0	cubic meters
	RH TRUM	2000 - 2033	1340	cubic meters
Solid Waste Disposal	CH LLMW I	2000 - 2046	40800	cubic meters
	CH LLMW III	2000 - 2007	63.1	cubic meters
	CH LLW I	2000 - 2046	122000	cubic meters
	CH LLW III	2000 - 2046	5490	cubic meters
	RH LLMW I	2000 - 2035	31800	cubic meters
	RH LLW GTCIII	2017 - 2021	6.42	cubic meters
	RH LLW I	2001 - 2016	14.5	cubic meters
	RH LLW III	2000 - 2046	287.0	cubic meters

Table 4-22 Solid Waste Storage & Disposal Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
Solid Waste Storage	CH LLMW I	2000 - 2046	26500	cubic meters
	CH TRUM	2000 - 2032	20400	cubic meters
	RH LLMW I	2000 - 2035	30700	cubic meters
	RH TRUM	2000 - 2032	1760	cubic meters
	Spent Nuclear Fuel (SNF)	2001 - 2013	0.04	MTHM
Solid Waste Disposal	CH LLMW I	2000 - 2046	12.0	cubic meters
	CH LLW I	2000 - 2046	180.0	cubic meters
	Waste Water	2000 - 2030	149000	cubic meters

4.2.2.1.3 Facility Life-Cycle Requirements

- Requirements

  - Material currently managed as TRU located in the 200 West Area Low-Level Burial Grounds, consisting of heavy metal from research activities mostly as Test Reactor and Isotope Production General Atomics (TRIGA) waste, will be transferred to the 200 Area ISA upon removal from the burial grounds.
  - Solid wastes shall be dispositioned consistent with national policies for management of transuranic, low level, low level mixed and hazardous wastes.

- Planning Assumptions

  - Remediation levels and disposal standards that are consistent with long term uses for the central plateau shall be established by either the Resource Conservation and Recovery Act of 1976 (RCRA), CERCLA, or NEPA.
  - Central Plateau high cost surplus facilities shall be transitioned to a low cost, stable, deactivated condition
  - Nuclear materials shall be consolidated in the Central Plateau for interim storage pending ultimate disposition.

- Central Plateau shall be used for the disposal of radioactive waste materials that remain onsite.
- Low Level Waste Burial Grounds shall be operated within the approved safety envelope
- Low Level Waste Burial Ground shall be surveilled and maintained within the approved safety envelope
- Unirradiated uranium shall be dispositioned offsite or disposed onsite as low level waste.
- Onsite low level waste shall be dispositioned in the Central Plateau.
- Offsite low level mixed waste shall be dispositioned in the Central Plateau.
- Offsite low level waste shall be dispositioned in the Central Plateau.
- U.S. Navy reactor compartments shall be dispositioned in the Central Plateau.
- 616 building shall be maintained in the cold standby mode within the approved safety envelope
- Central Plateau facilities shall be maintained within the approved safety envelope
- Low level mixed waste from onsite and offsite sources shall be received in the 200 area
- Low level waste from onsite and offsite sources shall be received in the 200 area

4.2.2.1.4 Project Safety Authorization Basis/NEPA and Permits

The Solid Waste Subproject has an S/RID in place (Hamilton 1995). This S/RID is being revised to include the Liquid Waste and Analytical Services portions of the Waste Management Project.

The Authorization Basis for the Solid Waste Subproject is contained in the following:

- WHC-SD-WM-ISB-007, Central Waste Complex - Interim Safety Basis (Cain 1995)
- WHC-SD-WM-SAR-019, Nonradioactive Dangerous Waste Storage Facility (Bodily 1993)
- HNF-SD-W026-SAR-002, Final Safety Analysis Report for Waste Receiving and Processing Facility (Weidert 1997)
- WHC-SD-CP-SAR-007, T Plant Safety Analysis Report (Johnson 1993)
- WHC-SD-WM-ISB-006, Interim Safety Basis for Solid Waste Facilities (T Plant) (Meyer 1997)
- WHC-SD-WM-SAR-058, Final Safety Analysis for Contact-Handled TRU Waste Drums In-Situ Inspection and Vented Drum Retrieval (Joyce 1994)
- WHC-SD-WM-ISB-002, Solid Waste Burial Grounds Interim Safety Basis (Bendixsen 1995).

4.2.2.1.5 Tri-Party Agreement Requirements

- TPA.M.91.0 Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal of all Hanford Site TRU/TRUM, MLLW, and GTC3. [Due Date: TBD]
- TPA.M.91.1 Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing prior to disposal of all Hanford Site Post 1970 TRU/TRUM [Due Date: TBD But No Later Than 12/31/2000]
- TPA.M.91.13 Initiate Disposal of CH-MLLW [Due Date: 6/30/2001]

4.2.2.1.6 Interfaces

TABLE 4-23 Solid Waste Storage & Disposal Interfaces

Project Title	Project Number	Interface
Pearl Harbor Naval Shipyard	EXTERNAL	Provides PEARL HARBOR, CH-LLMW-I
FERMI National Accelerator Laboratory	EXTERNAL	Provides FERMI, CH-LLW-I
Bates Accelerator - Massachusetts	EXTERNAL	Provides MIT BATES, CH-LLW-I
Paducah Energy Systems	EXTERNAL	Provides PADUCAH ES, CH-LLW-III
Ames Laboratory	EXTERNAL	Provides AMES, CH-LLW-I
Rockwell - Canoga Park	EXTERNAL	Provides RKW CANOGA, CH-LLW-I
Knolls Atomic Power - Shipyards	EXTERNAL	Provides KAPL SHIPYDS, CH-LLW-I Provides KAPL SHIPYDS, CH-LLW-III
Brookhaven National Laboratory	EXTERNAL	Provides BRKHVN, CH-LLW-I Provides BRKHVN, RH-LLW-I
University of California - Davis	EXTERNAL	Provides B LEHR DAV, CH-LLW-I
Lawrence Berkeley Laboratory	EXTERNAL	Provides LBL, CH-LLW-I
Bettis Atomic Power - Laboratory	EXTERNAL	Provides BAPL, CH LLMW I Provides BAPL, CH-LLW-I Provides BAPL, CH-LLW-III
Stanford Linear Accelerator Center	EXTERNAL	Provides STANFORD, CH-LLW-I
Knolls Atomic Power - Laboratory	EXTERNAL	Provides KAPL, CH-LLMW-I
Argonne National Laboratory - East	EXTERNAL	Provides ANL E, CH-LLW-I Provides ANL E, CH-LLW-III Provides ANL E, RH-LLW-III
Puget Sound Naval Shipyard	EXTERNAL	Provides PUGET SOUND, CH-LLMW-I
Rocky Flats	EXTERNAL	Provides ROCKY FLATS, CH-LLMW-III
Princeton Plasma Physics Laboratory	EXTERNAL	Provides PRINCETON, CH-LLW-I
Bettis Atomic Power - Shipyards	EXTERNAL	Provides BAPL SHIPYDS, CH-LLW-I
University of California - Los Angeles	EXTERNAL	Provides UCLA LLW Shipment
Portsmouth Energy Systems	EXTERNAL	Provides PORTSMOUTH ES, CH-LLW-I Provides PORTSMOUTH NS, CH LLMW I
Battelle Columbus Laboratories	EXTERNAL	Provides BAT CLBS LAB, CH-LLMW-I Provides BAT CLBS LAB, CH-LLW-I Provides BAT CLBS LAB, CH-LLW-III
United Kingdom	EXTERNAL	Provides UO3 Depleted Uranium Receipts
PARKS TOWNSHIP	EXTERNAL	Provides PARKS TOWNSHIP, CH-LLW-I
Hanford Legacy	EXTERNAL	Provides Legacy CH LLW I inventory in LLBG Provides Legacy TRIGA Fuel
Tank Farm Operations	RL-TW03	Provides DST RET, CH LLMW III Provides TF OPER, CH-LLMW-I Provides TF OPER, CH-LLMW-III Provides TF OPER, CH-LLW-I Provides TF OPER, RH-LLMW-I Provides TF OPER, RH-LLMW-III Provides TF VADOSE, CH-LLMW-I Provides TWP W314, CH-LLMW-I Provides TWP W314, CH-LLMW-III Provides TWP W314, CH-LLW-I Provides TWP W314, RH-LLMW-I Provides TWP W314, RH-LLMW-III
Retrieval	RL-TW04	Provides DST RET, CH-LLMW-I Provides DST RET, RH-LLMW-III Provides SST LLE, CH-TRUM Provides SST LLE, RH-LLMW-III Provides SST LLE, RH-TRUM Provides SST RET, CH-LLMW-I Provides SST RET, CH-LLMW-III Provides SST RET, CH-LLW-I Provides SST RET, RH-LLMW-I Provides SST RET, RH-LLMW-III Provides TWP W211, CH-LLMW-I Provides TWP W211, CH-LLMW-III Provides TWP W211, RH-LLMW-III Provides TWP W211, RH-TRUM

TABLE 4-23 Solid Waste Storage & Disposal Interfaces (Continued)

Project Title	Project Number	Interface
Privatization Phase I	RL-TW06	Provides BNFL VIT, CH-LLMW-I Provides BNFL VIT, CH-LLMW-III Provides BNFL VIT, CH-LLW-I Provides BNFL VIT, CH-LLW-III Provides BNFL VIT, RH-LLMW-I Provides BNFL VIT, RH-LLW-III
Privatization Phase II	RL-TW07	Provides BNFL VIT, CH-LLMW-I Provides BNFL VIT, CH-LLMW-III Provides BNFL VIT, CH-LLW-I Provides BNFL VIT, CH-LLW-III Provides BNFL VIT, RH-LLMW-I Provides BNFL VIT, RH-LLW-III Provides HLVP, CH-LLMW-I Provides HLVP, CH-LLMW-III Provides HLVP, CH-LLW-I Provides HLVP, CH-LLW-III Provides HLVP, CH-TRUM Provides HLVP, RH-LLW-III Provides HLVP, RH-TRUM
Solid Waste Treatment	RL-WM04	Provides M-33/M-91, CH-LLW-III Provides M-91 to Disposal, RH LLMW I Provides T Plant Canyon Deactivation, CH-LLW-I Provides T Plant Canyon Deactivation, CH-TRUM Provides T PLANT, CH-LLMW-I Provides T PLANT, CH-LLW-I Provides T PLANT, RH-LLMW-I Provides T PLANT, RH-LLW-I Provides WRAP, CH LLW I Provides WRAP, CH-LLMW-I Provides WRAP, CH-TRU Provides WRAP, CH-TRUM Receives CH LLW I for Compliance Verification Receives Retrieved TRIGA Fuel Receives Retrieved TRIGA Fuel Receives Storage to M-91, CH TRUM Receives Storage to M-91, RH LLMW I Receives Storage to M-91, RH TRUM Receives Storage to WRAP, CH TRUM
Liquid Effluents	RL-WM05	Provides 300 TEDF CH LLMW I Provides 300 TEDF CH LLW I Provides ETF, CH-LLMW-I Provides ETF, CH-LLW-I Receives 200 East Mixed Waste Disposal Trench Leachate Receives Mixed Waste Disposal Trench Leachate
Analytical Services	RL-WM06	Provides 327 Facility, CH LLMW I Provides 327 Facility, CH LLW I Provides 327 Facility, CH-LLMW-III Provides 327 Facility, CH-LLW-III Provides 327 Facility, CH-TRU Provides ANALYT LAB, CH-LLMW-I Provides ANALYT LAB, CH-LLMW-III Provides ANALYT LAB, CH-LLW-I Provides ANALYT LAB, CH-LLW-III Provides WSCF, CH-LLMW-I Provides WSCF, CH-LLW-I Receives Analytical Laboratory Samples from 200-SWM Receives In-Field Laboratory Samples from 200-SWM

TABLE 4-23 Solid Waste Storage & Disposal Interfaces (Continued)

Project Title	Project Number	Interface
Spent Nuclear Fuel Project	RL-WM01	Provides K Basin Deactivation, CH LLMW I Provides K Basin Deactivation, CH TRU Provides K Basin Deactivation, CH-LLW-I Provides K Basin Deactivation, RH TRU Provides K Basins, CH-LLW-I Provides K OPER, CH-LLMW-I Provides K OPER, CH-LLW-III Provides K OPER, RH-TRU Provides K OPER, RH-TRUM Provides K Project, CH LLW I Provides K PROJECT, CH-TRU
WESF	RL-TP02	Provides WESF, CH LLMW I Provides WESF, CH LLW I Provides WESF, RH LLMW III Provides WESF, RH-LLW-GTCIII Provides WESF, RH-LLW-III
300 Area/SNM	RL-TP04	Provides FUEL TRANS, CH-LLW-I
PFP	RL-TP05	Provides PFP, CH-LLMW-I Provides PFP, CH-LLW-I Provides PFP, CH-LLW-III Provides PFP, CH-TRU Provides PFP, CH-TRUM
Accelerated Deactivation	RL-TP10	Provides T Plant Canyon Deactivation, CH-LLW-I Provides T Plant Canyon Deactivation, CH-TRUM
324/327 Facility Transition	RL-TP08	Provides 324 Facility, CH LLMW III Provides 324 Facility, CH LLW I Provides 324 Facility, CH LLW III Provides 324 Facility, CH-TRU Provides 324 Facility, CH-TRUM Provides 324 Facility, RH-TRU Provides 324 Facility, RH-TRUM
Landlord	RL-TP13	Provides DYNCORP (MESS), CH LLW I
100 Area Source Remedial Action	RL-ER01	Provides BHI SURPLS FAC, CH LLW I Provides BHI SURPLS FAC, CH-LLMW-I Provides Received CH-TRU
200 Area Source Remedial Action	RL-ER02	Provides BHI SURPLS FAC, CH-TRUM Provides BHI SURPLUS FAC, CH-TRU Provides Deactivated Non-Mixed Waste Burial Grounds Receives Safe & Compliant Excess Non-Mixed Waste Burial Grounds
PNNL Waste Management	RL-ST01	Provides PNNL, CH-LLMW-III Provides PNNL, CH-TRU Provides PNNL, RH-LLMW-III
Advanced Reactors Transition	RL-TP11	Provides PRTR, CH-LLMW-I Provides PRTR, CH-LLW-I Provides SODIUM TST, CH-LLMW-III
Low-Level Mixed Waste Stabilization Contract	EXTERNAL	Provides Stabilized Contact Handled Low Level Mixed Waste Provides STP to Disposal, CH LLMW I Provides STP Treated CH LLMW Receives Storage to STP, CH LLMW I
Thermal Treatment Contract	EXTERNAL	Provides Commercially Treated LLMW Provides CTT Treated to Disposal, CH LLMW I Receives Storage to CTT, CH LLMW I

4.2.2.1.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

- HNF-EP-0063, Hanford Site Solid Waste Acceptance Criteria"
- WHC-EP-0063, Hanford Site Solid Waste Acceptance Criteria"

4.2.2.2 Solid Waste Treatment

4.2.2.2.1 Project Description Summary

The Solid Waste Treatment project provides onsite and commercial offsite mixed waste treatment, waste verification and repackaging, and decontamination services to customers throughout the Hanford Site. It also provides retrieval of stored transuranic (TRU) waste and processing of transuranic waste in preparation of shipment offsite for disposal at the Waste Isolation Pilot Plant (WIPP). This work supports agreements with the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement, TPA) stakeholders and addresses specific milestones (M-19-00, M-19-01, M-91-00, M-91-01, M-91-03, M-91-04, M-91-05, M-91-06, M-91-07, M-91-08, M-91-11, M-91-12, M-91-13, M-91-14, and M-91-15) for initiating and completing treatment for a variety of low-level waste (LLW), mixed low-level waste (MLLW), transuranic (TRU), and transuranic mixed (TRUM) wastes. Wastes are treated for disposal purposes, typically driven by Resource Conservation and Recovery Act (RCRA) Land Disposal Restrictions (LDR) for MLLW or by WIPP waste acceptance criteria for TRU and TRUM. This work is accomplished through existing facilities on the Hanford Site such as the T Plant complex, the Waste Receiving and Processing (WRAP) Facility, and through offsite commercial treatment contracts. Capital projects associated with mixed waste treatment activities and TRU waste retrieval are also addressed in this project baseline summary.

WASTE RECEIVING AND PROCESSING (WRAP) FACILITY:
The WRAP facility provides LLW and MLLW verification sampling capability for waste already in storage as well as newly generated waste. The WRAP facility provides verification or characterization required by DOE Order 5820.2/435.1, Washington Administrative Code 173-303 and 40 Code of Federal Regulations 264 for the Low-Level Burial Grounds and RCRA-compliant storage facilities to be able to accept solid waste (drums and boxes) for storage or disposal. Without WRAP operations, stockpiling of solid radioactive wastes could occur across the Hanford site.

WRAP also provides characterization and treatment for TRU/TRUM waste in above ground and retrievable underground storage at Hanford. The transuranic fraction will be prepared for transport to the WIPP for disposal, while the non-transuranic fraction will be segregated for onsite disposal in the Low Level Burial Grounds or for further processing. Many of the suspect transuranic containers have been underground longer than their design lifetime of 20 years.

T PLANT COMPLEX
The T Plant Complex provides mixed waste treatment, waste verification and repackaging, and decontamination services to customers throughout the Hanford Site. Work is performed at the T Plant Complex which has been providing decontamination services to the site since 1957. The T Plant Complex is divided into two sub-complexes, the 221-T canyon facility and the 2706-T sub-complex, which also includes the 214-T chemical storage building. The entire complex is under RCRA interim status as a Treatment and Storage unit. Each of the two sub-complexes has its own unique characteristics that allow for a variety of services to be provided to Hanford

Site customers.

The 221-T canyon was originally constructed in 1943-1944 to extract plutonium from irradiated reactor fuel. It began a mission as a high-dose decontamination facility in 1957. Throughout the years various pieces of large contaminated equipment have been stored in the canyon. Spent nuclear fuel from the decommissioned Shippingport reactor is also stored under water in the canyon. Processing in the canyon also includes items contaminated with alpha-bearing radionuclides. Currently, work in the 221-T canyon is limited to canyon clean-out activities. Planned activities include storage of sludge from K Basin cleanout, and may include mixed waste treatment of remote-handled or alpha contaminated waste.

The 2706-T Complex began work in 1959 as a low-dose decontamination facility with specific emphasis on large rolling stock equipment. Since then, it has also assumed the mission of verification of LLW and MLLW, treatment of MLLW, including low-dose alpha-bearing MLLW, to meet Land Disposal Restrictions (LDR), and TRU/TRUM waste head gas sampling. The facility was expanded in 1992, and again in 1998, to accommodate the larger demand for its expanded waste treatment services.

Operation of the T Plant Complex maintains the overall objective of providing decontamination services of high-dose rate waste and contaminated equipment to meet applicable standards for disposal, storage, re-use, or free release. Low-dose rate waste and contaminated equipment is also managed for repair and return to service and supporting site goals in pollution prevention, recycling, waste reduction, and mixed waste treatment. Safe storage of high-dose contaminated equipment and spent nuclear fuel are also provided.

MIXED WASTE TREATMENT PROGRAM

The Mixed Waste Treatment Program provides for the RCRA and Toxic Substances Control Act (TSCA) required treatment and disposal of several categories of mixed waste. The mixed waste covered under this project includes MLLW to be generated in the future as well as MLLW currently stored on the Hanford Site. Treatment for these wastes can typically be either stabilization treatment or thermal treatment with commercial contracts currently in place to perform some of this work. The treatment program is governed by TPA milestones M-19 and M-91, which provide for utilization of government owned and commercial treatment facilities. The mixed waste treatment program satisfies TPA interim milestones M-19-00, M-19-01, and M-91-12.

TRU WASTE PROGRAM

The TRU Waste Program provides for activities associated with preparing TRU waste for shipment to WIPP. These include obtaining WIPP certification, and characterizing TRU and suspect TRU waste drums. Characterization may include development of acceptable knowledge information, real-time radiography, non-destructive assay, visual examination, head-gas sampling, RCRA sampling, and repackaging if necessary.

PHASE I TRU RETRIEVAL

The Phase I TRU Retrieval Program provides for the activities associated with retrieval of contact handled, suspect transuranic waste from aboveground or underground storage in the Solid Waste Burial Grounds. A phased approach to retrieval has been selected and this project addresses Phase I. The waste has been buried in containers that were not intended to be in the ground for more than twenty years. Many of these containers have begun exceeding this twenty-year limit and will continue to deteriorate the longer they remain underground. The

Record of Decision for the Hanford Defense Waste - Environmental Impact Statement states that the post 1970 transuranic waste must be retrieved. Retrieval of waste is governed by the M-91 set of TPA milestones (specifically M-91-04 and M-91-07).

CAPITAL PROJECT W-156
Capital Project W-156 provides for the activities associated with the design, construction, startup, and operation of a facility that will be used to retrieve remote handled transuranic waste from the 218-W-4B Alpha Caissons. The Record of Decision for the Hanford Defense Waste-Environmental Impact Statement states that the post 1970 transuranic waste must be retrieved. Retrieval of waste is governed by the M-91 set of TPA milestones.

CAPITAL PROJECT W-221 (Phase II)
Capital Project W-221 provides for the activities associated with the design, construction, startup, and operation of a facility that will be used to retrieve contact handled and remote handled transuranic waste from underground storage trenches at the Hanford site. A phased approach to retrieval has been selected and this project addresses Phase II. The waste has been buried in containers that were not intended to be in the ground for more than twenty years. Many of these containers have begun exceeding this twenty-year limit and will continue to deteriorate the longer they remain underground. The Record of Decision for the Hanford Defense Waste-Environmental Impact Statement states that the post 1970 transuranic waste must be retrieved. Retrieval of waste is governed by the M-91 set of TPA milestones.

CAPITAL PROJECT/TREATMENT CONTRACT - M-91 FACILITY
Capital Project/Treatment Contract - M-91 Facility provides for the activities associated with the design, construction, startup, and operation of a facility(ies) or providing for a contract to treat remote-handled (RH) and large box MLLW and TRU/TRUM waste that is remote handled or requires other special processing. These treatment activities are in support of the M-91 set of TPA milestones.

4.2.2.2.2 Life-Cycle Material and Waste Flow

The life cycle projections are based on treatment of the quantities of solid waste forecasted in the Solid Waste Integrated Forecast (SWIFT) Report: FY1999 to FY2046, 99.0, revised on 11/30/1998.

Table 4-24 Solid Waste Treatment Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
T-Plant Canyon Facility	Spent Nuclear Fuel (SNF)	2004 - 2005	612.0	cubic meters
M-91 Facility	CH TRUM	2000 - 2032	8320	cubic meters
	RH LLMW I	2000 - 2035	3210	cubic meters
	RH TRUM	2000 - 2032	1760	cubic meters
	Spent Nuclear Fuel (SNF)	2001 - 2013	0.04	MTHM
WRAP	CH LLW I	2000 - 2046	180.0	cubic meters
	CH TRUM	2000 - 2032	12000	cubic meters

Table 4-25 Solid Waste Treatment Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
T-Plant Canyon Facility	CH LLMW I	2000 - 2027	71.9	cubic meters
	CH LLW I	2000 - 2027	1350	cubic meters
	CH TRUM	2007 - 2009	39.8	cubic meters
	HAZ	2000 - 2027	98.3	cubic meters

Table 4-25 Solid Waste Treatment Waste/Material Flow (Out) (Continued)

Major Facility	Category	Period	Value	Units
	HLW	2000 - 2018	1890	cubic meters
	RH LLMW I	2000 - 2027	7.19	cubic meters
	RH LLW I	2001 - 2004	2.05	cubic meters
	Spent Nuclear Fuel (SNF)	2002 - 2002	15.8	MTHM
	Treated Liquid Effluent	2000 - 2010	499.0	cubic meters
M-91 Facility	RH LLMW I	2000 - 2035	4300	cubic meters
	RH TRUM	2000 - 2033	996.0	cubic meters
	Spent Nuclear Fuel (SNF)	2001 - 2013	0.04	MTHM
WRAP	CH LLMW I	2000 - 2032	33.1	cubic meters
	CH LLW I	2000 - 2032	1400	cubic meters
	CH TRUM	2000 - 2033	16800	cubic meters

4.2.2.2.3 Facility Life-Cycle Requirements

- Requirements

  - Facilities discharging to the 200 Area TEDF shall implement Best Available Technology (BAT)/All Known, Available, and Reasonable Treatment (AKART). The generator shall provide the information required by WAC 173-240, Submission of Plans and Reports for Construction of Waste Water Facilities.
  - Solid waste shall be treated to convert the waste to an acceptable form for final disposition.
  - Container contents of newly generated waste shall be inspected to verify waste contents.
  - (b)(3) Mixed transuranic waste shall be treated, where feasible and practical, to destroy the hazardous waste component.
  - Central Plateau gaseous effluent releases shall be monitored
  - The TRU and transuranic mixed (TRUM) waste processed shall meet transuranic package transporter (TRUPACT) II shipping requirements and the WIPP WAC for disposal at WIPP.
  - Complete Phase I for Post 1970 CH TRU/TRUM Retrieval. [Due Date: 9/30/2004]
  - Provide for treatment of radioactive, hazardous, sanitary, and polychlorinated biphenyl waste, or combinations thereof, either through procurement of offsite treatment services (preferred), re-use of existing facilities (second option), or construction of facilities. Construction of new government-owned treatment facilities is not desired. Treatment includes stabilization, thermal treatment, separation of waste fractions, and final waste form processing.
  - Integrate and perform characterization activities required for treatment, Central Waste Complex acceptance, and other solid waste activities.
  - Utilize the T-Plant complex as a central decontamination facility on the Hanford Site. This facility is permitted by the Washington Department of Ecology (Ecology) as a RCRA treatment and storage unit.
  - Separate all other wastes for appropriate disposal (e.g., retrieval, segregating, and repackaging Transuranic [TRU] wastes for the Waste Isolation Pilot Plant [WIPP]); remove hazardous constituents or liquid from solid waste; and separate Land Disposal Restricted (LDR) waste from liquid effluents.
  - Contractor waste certification shall be in accordance with DOE/WIPP-069, Waste Acceptance Criteria for Waste Isolation Pilot Plant.

- Planning Assumptions

- Transitioned facilities shall be decontaminated and decommissioned sufficiently to enable removal or closure through entombment
- Packaged Hanford TRU waste shall be shipped to Waste Isolation Pilot Plant.
- Central Plateau facilities shall be maintained within the approved safety envelope
- T Plant shall be surveilled and maintained within the approved safety envelope
- PWR fuel shall be safely stored in T Plant
- The WRAP facility shall be operated and maintained within the approved safety envelope.

4.2.2.2.4 Project Safety Authorization Basis/NEPA and Permits

The Solid Waste Subproject has an S/RID in place (Hamilton 1995). This S/RID is being revised to include the Liquid Waste and Analytical Services portions of the Waste Management Project.

The Authorization Basis for the Solid Waste Subproject is contained in the following:

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- WHC-SD-CP-SAR-007, T Plant Safety Analysis Report (Johnson 1993)
- WHC-SD-WM-ISB-006, Interim Safety Basis for Solid Waste Facilities (T Plant) (Meyer 1997)
- WHC-SD-WM-SAR-058, Final Safety Analysis for Contact-Handled TRU Waste Drums In-Situ Inspection and Vented Drum Retrieval (Joyce 1994)

- WHC-SD-WM-ISB-002, Solid Waste Burial Grounds Interim Safety Basis (Bendixsen 1995).

4.2.2.2.5 Tri-Party Agreement Requirements

- TPA.M.19.0 Complete treatment and/or direct disposal of at least 1, 644 cubic meters of CH MLLW. [Due Date: 9/30/2002]
- TPA.M.19.0 Complete treatment/and or direct disposal of at least 1644 cubic meters of contact handled mixed low level waste (CH-MLLW) already in storage as of October, 1995, as well as newly generated Hanford Site mixed low level waste. [Due Date: 9/30/2002]
- TPA.M.32.3 Complete T Plant tank actions. [Due Date: 9/30/1999]
- TPA.M.91.0 Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal of all Hanford Site TRU/TRUM, MLLW, and GTC3. [Due Date: TBD]
- TPA.M.91.1 Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing prior to disposal of all Hanford Site Post 1970 TRU/TRUM [Due Date: TBD But No Later Than 12/31/2000]

- TPA.M.91.4 Complete construction of small container contact handled (CH) TRU/TRUM retreival facility (s) and initiate (Project W-113) retrieval of small container TRU/TRUM from 200 Area burial grounds. [Due Date: 9/30/2000]
- TPA.M.91.7 Complete Project W-113 for Post 1970 CH TRU/TRUM Retrieval. [Due Date: 9/30/2004]
- TPA.M.91.8.T.1 Complete construction and initiate hot operations of RH and large size TRU/TRUM processing facility (a final acquisition schedule for this facility will be established as an interim milestone no later than December 2000). [Due Date: 6/30/2005]
- TPA.M.91.12 Initiate thermal treatment of currently stored and newly generated CH-MLLW. At least 600 cubic meters will be provided for treatment by December 2005. [Due Date: 12/31/2000]
- TPA.M.91.15 Complete acquisition of facilities and initiate treatment of RH and large container (CH) MLLW [Due Date: 6/30/2008]

4.2.2.2.6 Interfaces

TABLE 4-26 Solid Waste Treatment Interfaces

Project Title	Project Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives T PLANT, HAZ
Waste Isolation Pilot Project	EXTERNAL	Receives M-91 to WIPP, RH TRUM Receives WRAP , CH-TRU Receives WRAP to WIPP, CH TRUM
Tank Farm Operations	RL-TW03	Receives Liquid Waste From 221-T to West Area DSTs Receives Waste from 221-T to 204-AR Receives Waste From 2706-T to 204-AR
Solid Waste Storage & Disposal	RL-WM03	Provides CH LLW I for Compliance Verification Provides Retrieved TRIGA Fuel Provides Retrieved TRIGA Fuel Provides Storage to M-91, CH TRUM Provides Storage to M-91, RH LLMW I Provides Storage to M-91, RH TRUM Provides Storage to WRAP, CH TRUM Receives M-33/M-91, CH-LLW-III Receives M-91 to Disposal, RH LLMW I Receives T Plant Canyon Deactivation, CH-LLW-I Receives T Plant Canyon Deactivation, CH-TRUM Receives T PLANT, CH-LLMW-I Receives T PLANT, CH-LLW-I Receives T PLANT, RH-LLMW-I Receives T PLANT, RH-LLW-I Receives WRAP, CH LLW I Receives WRAP, CH-LLMW-I Receives WRAP, CH-TRU Receives WRAP, CH-TRUM
Liquid Effluents	RL-WM05	Receives T Plant, Treated Liquid Effluent
Analytical Services	RL-WM06	Receives Analytical Laboratory Samples from 200-TP Receives Analytical Laboratory Samples from 200-WRAP Receives In-Field Laboratory Samples from 200-TP Receives In-Field Laboratory Samples from 200-WRAP
Spent Nuclear Fuel Project	RL-WM01	Provides K-Basin Sludge Receives PWR Core 2 Shipment Receives TRIGA Fuel to 200 Area ISA
Canister Storage Building Operations	RL-WM02	Receives PWR Core 2 Shipment Receives TRIGA Fuel to 200 Area ISA

TABLE 4-26 Solid Waste Treatment Interfaces (Continued)

Project Title	Project Number	Interface
Accelerated Deactivation	RL-TP10	Provides Deactivated T-Plant Facility Provides Safe & Compliant Deactivated T-Plant Facility Provides Safe & Compliant Excess T-Plant Facility Provides Safe & Compliant Stabilized T-Plant Facility Provides Stabilized T-Plant Facility Receives Deactivated T-Plant Facility Receives Excess 2706-T Receives Excess T-Plant Facility Receives Excess WRAP Facility Receives Safe & Compliant Deactivated T-Plant Facility Receives Safe & Compliant Excess T-Plant Facility Receives Safe & Compliant Stabilized T-Plant Facility Receives Stabilized T-Plant Facility
Decontamination & Decommissioning	RL-ER06	Receives Safe & Compliant Deactivated T-Plant Facility
ER Disposal Facility (ERDF)	RL-ER04	Receives Rubble from Demolished M-33/M-91 Facility Receives Rubble from WRAP Module 1 Facility Demolition

4.2.2.2.7 Requirements References

- DOE Order 5820.2A, Radioactive Waste Management"
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- DOE/WIPP-069, WIPP Waste Acceptance Criteria"
- ST 4502, State Waste Discharge Permit for the 200 Area TEDF"
- WHC-SD-WM-MAR-008, TWRS Mission Analysis Report"

4.2.2.3 Liquid Effluents

4.2.2.3.1 Project Description Summary

The Liquid Effluents Project provides integrated liquid effluent management to support cleanup of the Hanford Site. Its mission is to responsibly manage current and future liquid effluent streams in a safe, cost-effective, and environmentally-compliant manner. Waste volume reduction support is also provided to tank waste remediation. The mission is achieved through planning and integration; stakeholder interaction; definition of requirements for generators; and provision of timely storage, treatment and disposal capability. The Liquid Effluents Project receives, treats, and disposes of liquid effluents from other projects. Waste acceptance criteria are established for liquid effluents, and compliance with discharge limits is verified.

The facilities owned and operated by the Liquid Effluents Project and the technical approach to accomplishing its mission is described below.

242-A Evaporator - The 242-A Evaporator concentrates dilute liquid tank wastes by evaporation. The volume of tank wastes is reduced to eliminate the need to construct additional double-shell

tanks (DSTs). The concentrated waste is returned to tank farms for storage. Process condensate from the 242-A Evaporator is sent to the LERF for temporary storage while awaiting treatment in the ETF.

Liquid Effluent Retention Facility (LERF) - The LERF consists of three RCRA-compliant surface impoundments for temporarily storing process condensate from the 242-A Evaporator and other liquid effluents. The LERF provides equalization of the flow and pH of the feed to the ETF.

Effluent Treatment Facility (ETF) - Liquid effluents are treated in the ETF to remove toxic metals, radionuclides, and ammonia and to destroy organics. The ETF treatment process includes pH adjustment, filtration, ultraviolet light/peroxide (UV/OX) destruction of organics, reverse osmosis (RO), and ion exchange. A truck unloading facility allows liquid effluents to be received from other projects. A cross-site transfer system is used to transfer groundwater and ERDF leachate to the ETF for treatment. The treated effluent has been delisted from RCRA and is discharged under a WAC 173-216 State Waste Discharge Permit to a state-approved land disposal site (SALDS) in the 200 West Area.

200 Area Treated Effluent Disposal Facility (200 Area TEDF) - The 200 Area TEDF is a collection and disposal system for non-RCRA waste streams. The effluent is discharged to two 5-acre disposal ponds located east of the 200 East Area. Discharge from the 200 Area TEDF must comply with limits specified in the WAC 173-216 State Waste Discharge Permit.

300 Area Treated Effluent Disposal Facility (300 Area TEDF) - The 300 Area TEDF treats industrial wastewater from laboratories and research facilities in the 300 Area. The wastewater is received via the process sewer. Liquid effluents from other projects which meet acceptance criteria can also be received and treated in the 300 Area TEDF. Treatment includes pH adjustment, precipitation, filtration, UV/OX, and ion exchange. The process removes toxic metals including mercury, and destroys organics and cyanide. Treated effluent is monitored and discharged to the Columbia River under an NPDES permit.

307 Retention Basins - The retention process sewer system in the 300 Area receives liquid effluents which are potentially radioactive. These liquid effluents collect in the 307 Retention Basins where they are monitored and batch released to the process sewer for subsequent treatment in the 300 Area TEDF. Provisions exist for diverting and isolating off-specification liquid effluents.

340 Waste Handling Facility - The 340 Facility previously received radioactive/mixed liquid waste from laboratories in the 300 Area for loadout and transfer to tank farms in the 200 Area. Waste was received via the radioactive liquid waste system and accumulated in two 15,000 gal tanks located in a covered, below-grade vault in the 340 building. Six above-ground 8,000-gal tanks in the adjacent 340-A building provided backup storage capability. The 340-B building was used for rail loadout of the wastes. The 340 Facility ceased receiving liquid wastes in September 1998, but residual waste remains in the tanks. Minimum safe operation and maintenance of the 340 Facility will continue until cleanout is completed.

Miscellaneous Streams - Miscellaneous Streams include liquid effluents generated from hydrotest, maintenance, and construction activities; cooling water and condensate discharges; and storm water run-off. These discharges are considered non-hazardous and non-radioactive. Categories of Miscellaneous Streams are permitted under the WAC 173-216 State Waste Discharge Permit Program rather than permitting individual streams. Use of categorical permits

provides a vehicle to easily permit new Miscellaneous Streams of similar characteristics and origin.

4.2.2.3.2 Life-Cycle Material and Waste Flow

The liquid effluent life cycle projections are based on estimates provided by the Projects for volumes of waste water generated.

Table 4-27 Liquid Effluents Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
200 LEF	HLW	2000 - 2018	77100	cubic meters
	Treated Liquid Effluent	2000 - 2035	12500000	cubic meters
	Waste Water	2000 - 2030	2400000	cubic meters
300 LEF	Industrial Waste Water	2000 - 2030	4750000	cubic meters

Table 4-28 Liquid Effluents Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
200 LEF	CH LLMW I	2000 - 2030	2530	cubic meters
	CH LLW I	2000 - 2030	72.9	cubic meters
	HAZ	2000 - 2030	71.6	cubic meters
	HLW	2000 - 2011	44300	cubic meters
	Sanitary Liquid Waste	2000 - 2032	62400	cubic meters
	Sanitary Solid Waste	2000 - 2034	995.0	cubic meters
	Treated Liquid Effluent	2000 - 2035	22300000	cubic meters
	Waste Water	2000 - 2019	61700	cubic meters
300 LEF	CH LLMW I	2000 - 2030	58.0	cubic meters
	CH LLW I	2000 - 2030	4690	cubic meters
	HAZ	2000 - 2030	72.4	cubic meters
	Sanitary Liquid Waste	2000 - 2025	7730	cubic meters
	Sanitary Solid Waste	2000 - 2025	709.0	cubic meters
	Treated Liquid Effluent	2000 - 2030	4750000	cubic meters

4.2.2.3.3 Facility Life-Cycle Requirements

- Requirements

  - Operation of the LERF shall be in accordance with the Hanford Facility RCRA Permit WA7890008967.
  - Discharge limits for the ETF are specified in the WAC 173-216 State Waste Discharge Permit No.ST 4500, and the U.S. Environmental Protection Agency (EPA) approval of the 200 Area Effluent Treatment Facility Delisting Petition, DOE/RL-92-72 (documented in 60 FR 31115 and codified in 40 CFR 261, Appendix IX, Table 2). Constituents not identified in the permit are subject to the limits in WAC 173-200, Water Quality Standards for Ground Waters of the State of Washington, and 4 percent of the derived concentration guide values in DOE Order 5400.5, Radiation Protection of the Public and Environment, as applicable.

- The discharge from the 200 Area TEDF must meet the limits specified in the WAC 173-216 State Waste Discharge Permit No. ST 4502. Constituents not identified in the permit are subject to the limits in WAC 173-200, Water Quality Standards for Ground Waters of the State of Washington, and 4 percent of the derived concentration guide values in DOE Order 5400.5, Radiation Protection of the Public and Environment, as applicable. The wastewater can not contain any listed dangerous waste.
- Facilities discharging to the 200 Area TEDF shall implement Best Available Technology (BAT)/All Known, Available, and Reasonable Treatment (AKART). The generator shall provide the information required by WAC 173-240, Submission of Plans and Reports for Construction of Waste Water Facilities.
- Hydrotest, maintenance, and construction discharges are subject to the requirements contained in the State Waste Discharge Permit No. ST 4508.
- Cooling water and condensate discharges are subject to the requirements contained in the State Waste Discharge Permit No. ST4509.
- Industrial storm water discharges are subject to the requirements contained in the State Waste Discharge Permit No. ST 4510.
- Discharge limits for the 300 Area TEDF are specified in the National Pollutant Discharge Elimination System Permit No. WA-002591-7, and the Washington Department of Natural Resources Land Lease. Constituents not identified in the permits are subject to the limits in WAC 173-201A, Water Quality Standards for Surface Waters of the State of Washington, and 4 percent of the derived concentration guide values in DOE Order 5400.5, Radiation Protection of the Public and Environment, as applicable.
- Operation of the 242-A Evaporator shall be in accordance with the Hanford Facility RCRA Permit WA7890008967.
- Operation of the ETF shall be in accordance with the Hanford Facility RCRA Permit WA7890008967.
- Categorical WAC 173-216 permit applications shall be used to permit groups of similar Miscellaneous Streams.
- A study to identify options for the selection and implementation of Best Management Practices for miscellaneous streams, and an implementation schedule, shall be prepared for Ecology approval.
- The draft Hanford Air Operating Permit contains terms and conditions of the Washington Department of Ecology Air Operating Permit (permit number not established, application DOE/RL-95-07), and the Washington Department of Health Hanford Site Radioactive Air Emissions License No. FF-01.
- Solid waste transferred to the ERDF shall meet the waste acceptance criteria specified in the Environmental Restoration Disposal Facility Waste Acceptance Criteria, BHI-00139.
- Operation and maintenance of the 242-A Evaporator shall be in accordance with HNF-SD-WM-SAR-023, 242-A Evaporator/Crystallizer Safety Analysis Report.
- Solids shall not be allowed to accumulate in the LERF basins which may require special cleanout actions. [LERF Treatment Exemption, 95-LEP-015, 40 CFR 2681].
- Storage of wastewater containing LDR constituents shall be allowed for up to one year prior to treatment in the ETF. [LERF Treatment Exemption, 95-LEP-015, 40 CFR 268].

- Operation and maintenance of the 200 Area TEDF shall be in accordance with the general safety requirements in approved Project Hanford procedures for Occupational Safety and Health. A preliminary safety evaluation was completed for the 200 Area TEDF titled "Preliminary Safety Evaluation - 200 Area Treated Effluent Disposal Facility, Project W-049H." The 200 Area TEDF is a general-use facility and safety documentation is not required according to DOE Order 5481.1B.
- The Contractor shall manage process sewer services.
- All existing injection wells shall be registered under WAC 173-218. New injection wells shall be registered before being placed in service.
- Requirements for effluent monitoring, sampling, analysis, operating group notification, physical interface points, implementing procedures, and configuration control are documented in the 200 Area Treated Effluent Disposal Facility Interface Control Document, HNF-SD-W049H-ICD-001.
- Utilize waste minimization and evaporation to manage the waste volume such that the tank capacity of existing double-shell storage tanks is not exceeded.
- Operate treatment facilities and systems for liquid effluents.
- Manage current and future Hanford Site liquid effluents, including collecting, treating, and disposing of liquid effluent wastes. The program uses an integrated liquid effluent treatment system with a combination of local and central treatment systems to achieve cost-effective liquid effluent disposal. Current liquid effluent facilities include the 200 Area Liquid Effluent Retention Facility, 200 Area Treated Effluent Disposal Facility (TEDF), 200 Area Effluent Treatment Facility, 300 Area TEDF, and the 340 facility.
- Operation and maintenance of the 307 Retention Basins shall be in accordance with the Hanford 300 Area Retention Process Sewer Hazard Categorization, HNF-SD-WM-SAD-027.

- Planning Assumptions

  - Facilities and systems shall be made available for other uses.
  - Facilities shall be transitioned to the surveillance and maintenance phase when no longer required to support the site mission.
  - Operation of the ETF must be consistent with the information and limits contained in the Notice of Construction (NOC) Application DOE/RL No. 93-RPB-056 (EPA) and No. 93-RPS-275 (Phase II).
  - Operations and maintenance of the LERF shall be in accordance with the Liquid Effluent Retention Facility Final Hazard Categorization Report, HNF-SD-WM-SAD-040, and the Liquid Effluent Retention Facility Auditable Safety Analysis, HNF-SD-LEF-ASA-002.
  - Operation of the LERF must be consistent with the information and limits contained in the Notice of Construction (NOC) Application DOE/RL No. 9001137.
  - Operation and maintenance of the ETF shall be in accordance with the Hazard Categorization Report for the 200 Area Effluent Treatment Facility, WHC-SD-C018H-HC-002, and the 200 Area Effluent Treatment Facility Auditable Safety Analysis, HNF-SD-ETF-ASA-001.
  - Operation and maintenance of the 300 Area TEDF shall be in accordance with the Hanford 300 Area Treated Effluent Disposal Facility Inventory at Risk Calculations and Safety Analysis, WHC-SD-WM-SAD-025.

- Operation and maintenance of the 340 Waste Handling Facility shall be in accordance with the 340 Waste Handling Facility Interim Safety Basis (ISB), WHC-SD-WM-ISB-003, and the Safety Analysis Report for Packaging (On-Site) LR56H Cask System, HNF-SD-TP-SARP-009.

4.2.2.3.4 Project Safety Authorization Basis/NEPA and Permits

The following safety documentation has been prepared for the Liquid Waste Program facilities.

- Operation and maintenance of the 242-A Evaporator are in accordance with Evaporator/Crystallizer Safety Analysis Report, HNF-SD-WM-SAR-023.
- Operation and maintenance of the LERF are in accordance with HNF-SD-WM-SAD-040, Liquid Effluent Retention Facility Final Hazard Category Determination, and HNF-SD-LEF-ASA-002, 242AL Liquid Effluent Retention Facility Auditable Safety Analysis.
- Operation and maintenance of the ETF are in accordance with WHC-SD-C018H-HC-002, Hazard Categorization Report for the 200 Area Effluent Treatment Facility, and HNF-SD-ETF-ASA-001, 200 Area Effluent Treatment Facility Auditable Safety Analysis.
- A preliminary safety evaluation was completed for the 200 Area TEDF ("Preliminary Safety Evaluation - 200 Area Treated Effluent Disposal Facility, Project W-049H"). The 200 Area TEDF is a general-use facility and safety documentation is not required according to DOE Order 5481.1B, Safety Analysis and Review System.
- Operation and maintenance of the 300 Area TEDF are in accordance with WHC-SD-WM-SAD-025, Hanford 300 Area Treated Effluent Disposal Facility Inventory at Risk Calculations and Safety Analysis.
- Operation and maintenance of the 340 Waste Handling Facility are in accordance with WHC-SD-WM-ISB-003, 340 Waste Handling Facility Interim Safety Basis (ISB), and WHC-SD-TP-SARP-015, Safety Analysis Report for Packaging (On-Site) Double-Shell Tank Car.
- Operation and maintenance of the 307 Retention Basis are in accordance with HNF-SD-WM-SAD-027, Hanford 300 Area Retention Process Sewer Hazard Categorization

NEPA Documentation - The following NEPA documentation has been approved for the Liquid Effluents facilities:

- ERDA-1538, Waste Management Operations Environmental Impact Statement
- DOE/EIS-0113, Hanford Defense Waste Environmental Impact Statement
- DOE/EIS-0189, Tank Waste Remediation System Environmental Impact Statement
- DOE/EIS-0189-SA2, Tank Waste Remediation System Supplement Analysis
- DOE/EIS-0245, Spent Nuclear Fuel from K Basins Environmental Impact Statement
- DOE/EIS-0245-SA1, Spent Nuclear Fuel from K Basins Supplement Analysis
- DOE/EA-0383, Hanford Environmental Compliance Project Environmental Assessment
- DOE/EA-0915, Waste Tank Safety Program Environmental Assessment
- DOE/EA-0980, 300 Area Process Sewer Piping Upgrade and 300 Area Treated Effluent Disposal Facility Discharge to the City of Richland Sewage System
- Various CXs have been generated to support small additions, alterations, and or upgrades to Liquid Effluents facilities.

In addition, a Programmatic EIS has been prepared, DOE/EIS-0200-F, Final Waste Management Programmatic Environmental Impact Statement. As the associated Records of Decision (RODs) are published, they will have various effects on Hanford Site waste management operations. A Hanford Site Solid (Radioactive and Hazardous) Waste Program Environmental Impact Statement, DOE/EIS-0286, is currently in preparation to support the direction provided by DOE/EIS-0200-F.

4.2.2.3.5 Tri-Party Agreement Requirements

- TPA.M.26.5.F Submit to EPA and ecology an evaluation of development status of tritium treatment technology that would be pertinent to the cleanup and management of tritiated waste water (e.g., the 242-a evaporator process condensate liquid effluent) and tritium contaminated groundwater at the hanford site.

  Due Date: 8/31/1999.
- TPA.M.26.5.H Submit to EPA and ecology an evaluation of development status of tritium treatment technology that would be pertinent to the cleanup and management of tritiated waste water (e.g., the 242-a evaporator process condensate liquid effluent) and tritium contaminated groundwater at the hanford site.

  Due Date: 8/31/2001.
- TPA.M.26.5.J Submit to EPA and ecology an evaluation of development status of tritium treatment technology that would be pertinent to the cleanup and management of tritiated waste water (e.g., the 242-a evaporator process condensate liquid effluent) and tritium contaminated groundwater at the hanford site.

  Due Date: 8/31/2003.
- TPA.M.26.5.L Submit to EPA and ecology an evaluation of development status of tritium treatment technology that would be pertinent to the cleanup and management of tritiated waste water (e.g., the 242-a evaporator process condensate liquid effluent) and tritium contaminated groundwater at the hanford site.

  Due Date: 8/31/2005.

4.2.2.3.6 Interfaces

TABLE 4-29 Liquid Effluents Interfaces

Project Title	Project Number	Interface
Offsite Landfill	EXTERNAL	Receives 242-A Evaporator Sanitary Solid Waste Receives 300 LEF Sanitary Solid Waste Receives ETF, Sanitary Solid Waste
Columbia River	EXTERNAL	Receives 300 Area TEDF Discharge
Soil Column	EXTERNAL	Receives Treated Liquid Effluent Discharged to 200E SALDS
Hazardous Waste Disposal Contracts	EXTERNAL	Receives 300 TEDF HAZ Receives ETF, HAZ
Tank Farm Operations	RL-TW03	Provides Dilute Tank Waste Provides Tank Farms Treated Liquid Effluent Receives 242-A HLW from Training Runs Receives Concentrated Tank Waste

TABLE 4-29 Liquid Effluents Interfaces (Continued)

Project Title	Project Number	Interface
Privatization Phase I	RL-TW06	Provides LAW/HLW Plant Phase 1 Deactivation Non-radioactive/Non-dangerous Liquid Effluent Provides LAW/HLW Plant Phase I, Deactivation Waste Water Provides LAW/HLW Plant Phase I, Non-radioactive/Non-dangerous Liquid Effluent Provides LAW/HLW Plant Phase I, Waste Water
Privatization Phase II	RL-TW07	Provides HLW Phase 2 Deactivation Waste Water Provides LAW Phase 2 Deactivation Waste Water Provides LAW Phase 2 Non-radioactive/Non-dangerous Liquid Effluent Provides LAW Phase 2 Waste Water Provides TWRS Ph2 HLW Deactivation WW, Non-radioactive/Non-dangerous Liquid Effluent Provides TWRS Ph2 HLW WW, Non-radioactive/Non-dangerous Liquid Effluent Provides TWRS Priv Ph 2 HLW, Waste Water
Solid Waste Storage & Disposal	RL-WM03	Provides 200 East Mixed Waste Disposal Trench Leachate Provides Mixed Waste Disposal Trench Leachate Receives 300 TEDF CH LLMW I Receives 300 TEDF CH LLW I Receives ETF, CH-LLMW-I Receives ETF, CH-LLW-I
Solid Waste Treatment	RL-WM04	Provides T Plant, Treated Liquid Effluent
Analytical Services	RL-WM06	Provides 222-S Lab Wastewater Receives Analytical Laboratory Samples from 200A-LEF Receives Analytical Laboratory Samples from 242-A Evap Receives In-Field Laboratory Samples from 200A-LEF Receives In-Field Laboratory Samples from 300A-LEF Receives Laboratory Samples from 300A-LEF
Spent Nuclear Fuel Project	RL-WM01	Provides K Basin Deactivation Wastewater Provides K Basin Level Control Water
B-Plant	RL-TP01	Provides B Plant Chemical Sewer
WESF	RL-TP02	Provides WESF Cooling Water and Liquid Effluent
PFP	RL-TP05	Provides PFP Wastewater
Accelerated Deactivation	RL-TP10	Receives Excess 200 Area ETF Receives Excess 200 Area LERF Receives Excess 242-A Evaporator System
324/327 Facility Transition	RL-TP08	Provides 324 Building Process Sewer Industrial Waste Water Transfer Provides 324 Potentially Contaminated Waste Water Provides 327 Building Process Sewer Industrial Waste Water Transfer
Hanford Surplus Facility Prog 300A Revitalization	RL-TP14	Provides 306W Industrial Waste Water Transfers Provides Misc Rad Facility Industrial Waste Water Transfers
300 Area Source Remedial Action	RL-ER03	Receives Excess 307 Liquid Waste Transfer Facility Basins
Groundwater Management	RL-ER08	Provides 200-UP-1 Groundwater Provides Groundwater Monitoring Purgewater
ER Disposal Facility (ERDF)	RL-ER04	Provides ERDF Leachate
PNNL Waste Management	RL-ST01	Provides 306W Industrial Waste Water Transfers Provides 325 Potentially Contaminated Waste Water Provides 326 Building Process Sewer Industrial Waste Water Transfer Provides 326 Potentially Contaminated Waste Water Provides 329 Building Process Sewer Industrial Waste Water Transfer Provides 329 Potentially Contaminated Waste Water Provides 331 Complex Industrial Waste Water Transfer Provides 338 Industrial Waste Water Provides Misc Rad Facility Industrial Waste Water Transfers
200W SALDS	EXTERNAL	Receives Treated Liquid Effluents Discharged to 200W SALDS

4.2.2.3.7 Requirements References

- 95-LEP-015, LERF Treatment Exemption"

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-93-94, Plan and Schedule for Disposition and Regulatory Compliance for Miscellaneous Streams"
- DOE/RL-96-92, Hanford Strategic Plan"
- HNF-SD-W049H-ICD-001, 200 Area Treated Effluent Disposal Facility Interface Control Document"
- HNF-SD-WM-SAD-027, Hanford 300 Area Retention Process Sewer Hazard Categorization"
- ST 4500, State Waste Discharge Permit for the 200 Area ETF"
- ST 4502, State Waste Discharge Permit for the 200 Area TEDF"
- ST 4508, State Waste Discharge Permit for Hydrotest, Maintenance, and Construction Discharges"
- ST 4509, State Waste Discharge Permit for Cooling Water and Condensate Discharges"
- ST 4510, State Waste Discharge Permit for Industrial Storm Water Discharges"
- WA-002591-7, National Pollutant Discharge Elimination System Permit for the 300 Area TEDF"
- WA780008967, Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit"
- WAC 173-218, Underground Injection Control Program"
- WHC-SD-WM-SAR-023, 242-A Evaporator/Crystallizer Safety Analysis Report"

4.2.2.4 Analytical Services

4.2.2.4.1 Project Description Summary

The Hanford Analytical Services Project supports the Hanford mission by providing analytical services to site programs. These services include waste and environmental sample analysis, process control support, field and sampling services, development services and site expertise in chemistry and data quality. The Analytical Services Project operates on-site analytical laboratories, contracts commercial services, establishes site laboratory quality standards, and integrates all Hanford analytical services. Cost effective, quality and timely services are provided utilizing a combination of government-contracted and commercial capabilities based on biannual site projections.

4.2.2.4.2 Life-Cycle Material and Waste Flow

Table 4-30 Analytical Services Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
222-S Laboratory	Asbestos	2000 - 2025	52.0	cubic meters
	CH LLMW I	2000 - 2035	1700	cubic meters
	CH LLMW III	2000 - 2035	562.0	cubic meters
	CH LLW I	2000 - 2035	2230	cubic meters
	CH LLW III	2000 - 2035	2230	cubic meters
	HAZ	2000 - 2035	490.0	cubic meters
	HLW	2000 - 2018	953.0	cubic meters
	Sanitary Solid Waste	2000 - 2034	26200	cubic meters
	Treated Liquid Effluent	2000 - 2035	165000	cubic meters

Table 4-30 Analytical Services Waste/Material Flow (Out) (Continued)

Major Facility	Category	Period	Value	Units
WSCF	CH LLMW I	2000 - 2046	483.0	cubic meters
	CH LLW I	2000 - 2046	483.0	cubic meters
	HAZ	2000 - 2046	5.79	cubic meters
327 Facility	CH LLMW I	2000 - 2006	10.5	cubic meters
	CH LLMW III	2000 - 2007	63.1	cubic meters
	CH LLW I	2000 - 2007	147.0	cubic meters
	CH LLW III	2000 - 2007	143.0	cubic meters
	CH TRU	2000 - 2007	12.5	cubic meters

4.2.2.4.3 Facility Life-Cycle Requirements

- Requirements

  - Facilities discharging to the 200 Area TEDF shall implement Best Available Technology (BAT)/All Known, Available, and Reasonable Treatment (AKART). The generator shall provide the information required by WAC 173-240, Submission of Plans and Reports for Construction of Waste Water Facilities.
  - Environmental support facilities shall be operated and maintained and provided in a safe, secure, environmentally sound, and cost-effective manner. This requirement includes provision of calibrations laboratory services

- HANFORD ANALYTICAL SERVICES.

  The Contractor shall:

  (1) Manage and integrate the Hanford Analytical Services to provide analytical, field support, process development services, and optimize the use of a combination of onsite and offsite analytical laboratories. Support and assist Hanford programs and projects in determining and consolidating requirements for analytical services; provide guidance on analytical capabilities and limitations; facilitate the use of Data Quality Objectives; ensure user data quality requirements are met; and provide guidance in interpretation and evaluation of analytical results.

  (2) Consolidate sample management and evaluate forecasted sitewide analytical requirements to assure laboratory core competencies, capabilities, and capacities are maintained and available to meet program needs. The management and evaluation function shall be independent of the administration of the onsite laboratories and of the administration of contracts with offsite laboratories. Oversee analytical laboratory operations to assure safe and effective use of resources, conformance to conduct of operations requirements, and sound environmental practices.

  (3) Conduct a self-assessment program using performance measurements and customer feedback to measure the quality, timeliness, and cost effectiveness of analytical services support, and to provide the basis for continued improvements in services.

  (4) Provide site-wide integration in the development and adoption of Data Quality Objectives (DQO) methodology to determine sampling and analytical requirements for characterization of wastes, facility processing data, and environmental monitoring. Obtain regulator approval of DQO methodology where necessary to demonstrate compliance with legal requirements to provide physical and chemical properties necessary for project execution.

- Planning Assumptions

  - The Hanford Site Infrastructure shall be optimized.
    Develop cost-competitive infrastructure commensurate with mission needs.
    Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.
  - Central Plateau facilities shall be maintained within the approved safety envelope
  - The Waste Sampling and Characterization Facility (WSCF) complex shall be operated and maintained within the approved safety envelope
  - 222-S shall be operated and maintained within the approved safety envelope.

4.2.2.4.4 Project Safety Authorization Basis/NEPA and Permits

The results of the hazards analysis are reported in WHC-SD-CP-ISB-002, 222-S Laboratory Interim Safety Basis.

4.2.2.4.5 Tri-Party Agreement Requirements

- None

4.2.2.4.6 Interfaces

TABLE 4-31 Analytical Services Interfaces

Project Title	Project Number	Interface
Offsite Landfill	EXTERNAL	Receives AN SRVCS Solid Sanitary Waste Receives AN SRVCS, Asbestos
Hazardous Waste Disposal Contracts	EXTERNAL	Receives 222-S Lab Hazardous Waste Receives HAZ from Analytical Laboratory Receives WSCF, HAZ
Tank Waste Characterization	RL-TW01	Provides DST Samples Provides SST Samples
Tank Farm Operations	RL-TW03	Provides Analytical Laboratory Samples from TWRS Provides In-Field Laboratory Samples from TWRS Receives Liquid Waste From 222-S Lab to West Area DSTs Receives Waste from 222-S Lab to 204-AR
Solid Waste Storage & Disposal	RL-WM03	Provides Analytical Laboratory Samples from 200-SWM Provides In-Field Laboratory Samples from 200-SWM Receives 327 Facility, CH LLMW I Receives 327 Facility, CH LLW I Receives 327 Facility, CH-LLMW-III Receives 327 Facility, CH-LLW-III Receives 327 Facility, CH-TRU Receives ANALYT LAB, CH-LLMW-I Receives ANALYT LAB, CH-LLMW-III Receives ANALYT LAB, CH-LLW-I Receives ANALYT LAB, CH-LLW-III Receives WSCF, CH-LLMW-I Receives WSCF, CH-LLW-I
Solid Waste Treatment	RL-WM04	Provides Analytical Laboratory Samples from 200-TP Provides Analytical Laboratory Samples from 200-WRAP Provides In-Field Laboratory Samples from 200-TP Provides In-Field Laboratory Samples from 200-WRAP
Liquid Effluents	RL-WM05	Provides Analytical Laboratory Samples from 200A-LEF Provides Analytical Laboratory Samples from 242-A Evap Provides In-Field Laboratory Samples from 200A-LEF Provides In-Field Laboratory Samples from 300A-LEF Provides Laboratory Samples from 300A-LEF Receives 222-S Lab Wastewater
Spent Nuclear Fuel Project	RL-WM01	Provides Analytical Laboratory Samples from SNF Provides In-Field Laboratory Samples from SNF Provides Spent nuclear fuel analytical samples. Receives Analyzed K-Basin spent nuclear fuel samples Receives Bioassay and Dosimetry Services for SNF
WESF	RL-TP02	Receives Analytical Laboratory Samples from WESF
PFP	RL-TP05	Provides Analytical Laboratory Samples from PFP
Accelerated Deactivation	RL-TP10	Provides Analytical Laboratory Samples from 200-TP Provides Deactivated 222-S Laboratory Provides In-Field Laboratory Samples from 200-TP Provides Stabilized 222-S Laboratory Receives Safe & Compliant Deactivated 222-S Laboratory Facility Receives Safe & Compliant Excess 222-S Laboratory Facility Receives Safe & Compliant Stabilized 222-S Laboratory Facility
324/327 Facility Transition	RL-TP08	Receives Excess 327 Facility
100 Area Source Remedial Action	RL-ER01	Provides Analytical Laboratory Samples from Environmental Restoration

TABLE 4-31 Analytical Services Interfaces (Continued)

Project Title	Project Number	Interface
Decontamination & Decommissioning	RL-ER06	Receives Safe & Compliant Deactivated 222-S Laboratory Facility Receives Safe & Compliant Deactivated WSCF Lab

4.2.2.4.7 Requirements References

- DOE/RL-96-92, Hanford Strategic Plan"
- ST 4502, State Waste Discharge Permit for the 200 Area TEDF"

Concurrence: _____ Approved by: _____

P. G. Loscoe, Acting Director
Spent Nuclear Fuels Project
Division,
U.S. Department of Energy,
Richland Operations Office

J. M. Augustenborg, Acting
Assistant Manager
Assistant Manager for Waste
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Concurrence is granted upon the condition that the comments regarding the identified requirements and assumptions and strategic goals, provided prior to this formalization, are fully incorporated as resolved on September 27, 1999.

4.2.3 SNF Mission Area

The Spent Nuclear Fuel (SNF) mission on the Hanford Site supports the Hanford Mission to clean up the Site by providing safe, economic, environmentally sound management of Site Spent Nuclear Fuel (SNF) in a manner which stages it to final disposition, and deactivating the associated facilities.

4.2.3.a Mission Area Structure

- Spent Nuclear Fuel Project (RL-WM01)
- Canister Storage Building Operations (RL-WM02)

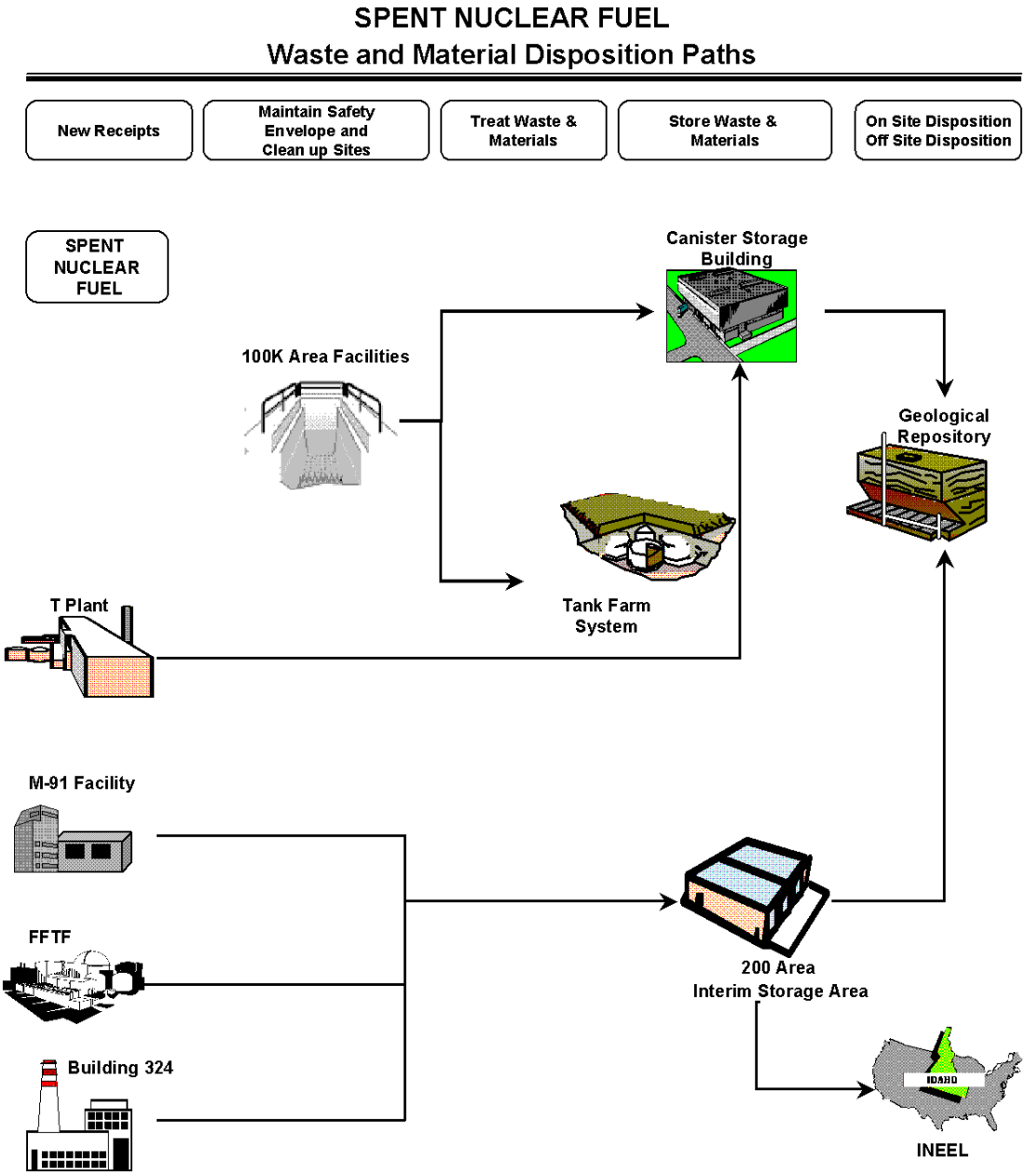
4.2.3.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- Remove and/or stabilize spent fuel, surplus facilities, and waste sites to protect groundwater and the Columbia River and to ensure protection of people, the environment, and natural/cultural resources. Pending Congressional action on the Wild and Scenic River designation, use will continue to be restricted; sensitive ecological , cultural, and native American resources will be protected.
- Groundwater remains restricted for a yet to be determined period pending decisions on final attainable cleanup levels. Remediation actions will protect the Columbia River and the near-shore environment, reduce contamination entering the groundwater, and control the migration of plumes that threaten groundwater quality beyond the boundaries of the Central Plateau.
- Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.
- Surplus facilities will be decommissioned and decontaminated sufficiently to enable removal or closure through entombment.
- Spent nuclear fuels will be prepared and packaged as necessary for interim, dry storage onsite, and shipped offsite for disposal in a national repository.

4.2.3.c Technical Logic

Figure 4-4 SNF Material/Flow Logic



4.2.3.d Facility Life-Cycle Responsibility Assignments

Table 4-32 Spent Nuclear Fuel Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
100 K Area Facilities	RL-WM01				RL-WM01		RL-ER05 RL-ER06
105KE	RL-WM01				RL-WM01		RL-ER06
105KW	RL-WM01				RL-WM01		RL-ER06
119KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1614KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
165KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
165KW	RL-WM01				RL-WM01		RL-ER06
166AKE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1705KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1706KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1706KEL	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1706KER	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1713KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1713KW	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1714-KW	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1714KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1717K	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1724-K	RL-WM01				RL-WM01	RL-WM01	RL-ER06
181KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183-2KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183-3KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183-4KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183.1KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183.5KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183.6KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183KW	RL-WM01				RL-WM01		RL-ER06
1908K	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1908KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
190KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO101	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO102	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO214	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO236	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO237	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO293	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO382	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO401	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO402	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO420	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO442	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO907	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO928	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO969	RL-WM01				RL-WM01	RL-WM01	RL-ER06
Canister Storage Building	RL-TW09 RL-WM01			RL-TW09 RL-WM01	RL-TW09 RL-WM01 RL-WM02	RL-TW09 RL-WM02	RL-WM02
212H	RL-WM01			RL-WM01	RL-WM02	RL-WM02	RL-WM02
200 Interim Storage Area (ISA)	RL-WM01			RL-WM01	RL-WM01 RL-WM02	RL-WM02	RL-WM02

* RL PBS Identifier Index:

RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-TW09 - Immobilized Tank Waste Storage & Disposal
RL-WM01 - Spent Nuclear Fuel Project
RL-WM02 - Canister Storage Building Operations

TABLE 4-33 Spent Nuclear Fuel Facility Life-Cycle Responsibility Assignments for Waste Sites

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
RoR Soil Site Operable Units	Active		RL-ER01 RL-ER05	RL-ER01 RL-ER07 RL-ER09
116-K-3, 1904-K Outfall Structure, 1908-K Outfall Structure	Active	RL-WM01	RL-ER01	RL-ER01
100-K-2, 118-K-2, 118-K-2 Sludge Burial Ground, Burial Area	Active	RL-WM01	RL-ER01	RL-ER01
100-K-29, 183-KE Sandblasting Site	Active	RL-WM01	RL-ER01	RL-ER01
100-K-35, 183-KE Acid Neutralization Pit	Active	RL-WM01	RL-ER01	RL-ER01
100-K-36, 1706-KE Chemical Storage Facility Dry Well	Active	RL-WM01	RL-ER01	RL-ER01
100-K-37, 1706-KE Sulfuric Acid Tank	Active	RL-WM01	RL-ER01	RL-ER01
100-K-38, 1706-KE Caustic Soda Tank	Active	RL-WM01	RL-ER01	RL-ER01
100-K-4, 1706-KE Wet Fish Studies Ponds and Valve Pit	Active	RL-WM01	RL-ER01	RL-ER01
100-K-43, KW Basin, 105-KW Fuel Storage Basin, K West Basin, Irradiated Fissile Material Storage	Rejected(Proposed)	RL-WM01		
100-K-46, 119-KE French Drain, Drywell	Active	RL-WM01	RL-ER01	RL-ER01
100-K-47, 1904-K Process Sewer	Active	RL-WM01	RL-ER01	RL-ER01
100-K-50, 1725-K & 1726-K Sanitary Sewer System Holding Tank	Active	RL-WM01	RL-ER01	RL-ER01
100-K-51, 105-KE 90-Day Waste Accumulation Area, 100K 90-Day Waste Storage Facility	Active	RL-WM01	RL-ER01	RL-ER01
100-K-52, 1706-KE Wet Fish Studies Laboratory	Rejected	RL-WM01		
100-K-58, 100-KE Water Treatment Facilities Underground Pipelines	Active	RL-WM01		
100-K-67, 165-KE Power Control Building	Active	RL-WM01	RL-ER01	RL-ER01
100-K-68, 105-KE Pump Gallery and Catch Tank, D Sump	Active	RL-WM01		
100-K-69, 105-KE Sump "C"	Active	RL-WM01		
100-K-7, 165-KE Ethylene Glycol Tanks, 165-KE-E and 165-KE-W	Rejected	RL-WM01		
100-K-70, 105-KE Waste Storage Tank, Holding Tank	Active	RL-WM01		
100-K-71, 105-KE Collection Box	Active	RL-WM01		
100-K-72, 105-KW Pump Gallery and Catch Tank, D Sump	Active	RL-WM01	RL-ER01	RL-ER01
100-K-73, 105-KW Collection Box	Active	RL-WM01		
100-K-74, 105-KW Waste Storage Tank, Holding Tank	Active	RL-WM01		
100-K-75, 105-KW Sump "C"	Active	RL-WM01		
116-KE-6A, 1706-KE Condensate Collection Tank, 1706-KE Waste Treatment System	Active	RL-WM01	RL-ER01	RL-ER01
116-KE-6B, 1706-KE Evaporation Tank, 1706-KE Waste Treatment System	Active	RL-WM01	RL-ER01	RL-ER01
116-KE-6C, 1706-KE Waste Accumulation Tank, 1706-KE Waste Treatment System	Active	RL-WM01	RL-ER01	RL-ER01
116-KE-6D, 1706-KE Ion Exchange Column, 1706-KE Waste Treatment System	Active	RL-WM01	RL-ER01	RL-ER01
120-KE-8, 165-KE Brine Pit, 165-KE Brine Mixing Tank	Active	RL-WM01	RL-ER01	RL-ER01
126-KE-2, 183-KE Liquid Alum Storage Tank #2	Active	RL-WM01	RL-ER01	RL-ER01
1607-K1, 1607-K1 Septic Tank and Associated Drain Field, 124-K-1, 1607-K1 Sanitary Sewer System, 1607-K1 Septic Tank	Active	RL-WM01	RL-ER01	RL-ER01
1607-K4, 1607-K4 Septic Tank and Associated Drain Field, 124-K-2, 1607-K4 Sanitary Sewer System, 1607-K4 Septic Tank	Active	RL-WM01	RL-ER01	RL-ER01
1607-K5, 1607-K5 Septic Tank and Associated Drain Field, 124-KE-2, 1607-K5 Sanitary Sewer System, 1607-K5 Septic Tank	Active	RL-WM01	RL-ER01	RL-ER01
1607-K6, 1607-K6 Septic Tank and Associated Drain Field, 124-KW-1, 1607-K6 Sanitary Sewer System, 1607-K6 Septic Tank	Active	RL-WM01	RL-ER01	RL-ER01
CP Soil Site Operable Units	Active		RL-ER02 RL-ER05	RL-ER02 RL-ER07
HWVP, Hanford Waste Vitrification Plant	Active	RL-WM01		RL-ER02
UPR-200-E-65, UN-216-E-65, 241-A-151 Diversion Box Radioactive Contamination, UN-200-E-65	Rejected(Proposed)	RL-WM01		
UPR-200-E-67, UN-216-E-67, Radioactively Contaminated Pipe Encasement, UN-200-E-67	Rejected(Proposed)	RL-WM01		
UPR-200-W-40, Line Break at 241-TX-154,UPR-200-W-38, UPR-200-W-160, 216-T-30, UN-200-W-40,	Rejected(Proposed)	RL-WM01		
UPR-200-E-70, Radioactive Contamination from Jumper Removal, UPR-216-E-70, UN-200-E-70	Rejected(Proposed)	RL-WM01		
CC Soil Site Operable Units	Active		RL-ER02	RL-ER02 RL-ER07
600-212, Relocatable Latrine Facility Holding Tank System	Active	RL-WM01	RL-ER02	RL-ER02

The 'Rejected' and 'Completed' waste sites are part of the Project Hanford Management Contract (PHMC), but require no additional work from the PHMC team. When they are removed from the contract via direction from the RL Contracting Officer representative, they will be removed from this specification.

* RL PBS Identifier Index:

RL-ER01 - 100 Area Source Remedial Action
RL-ER02 - 200 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER07 - Long Term Surveillance & Maintenance
RL-ER09 - N Area Deactivation
RL-WM01 - Spent Nuclear Fuel Project

4.2.3.e Performance Measures

The following are "process" performance measures for SNF. These measures monitor the movement and processing of SNF and other waste materials as presented in this mission area's Technical Logic Diagram:

· Amount of fuel stabilized during period. [Includes annual throughput of K Basins SNF retreived from the basin and processed through CVD and Na bonded FFTF SNF repackaged in CSB and transferred to INEEL for disposition.]
· Amount of fuel in stabilzation process, not yet stabilized. [Includes K Basin SNF not yet retrieved and sludge.]
· Amount of stable fuel, not disposition ready. [Cumulative inventory of SNF processed through Cold Vacuum Drying.]
· Amount of fuel in disposition ready storage. [Cumulative inventory of K Basins SNF processed through Cold Vacuum Drying and sitewide SNF received for interim storage from other Hanford facilities.]

For each mission-level performance measure that monitors the amount of materials moved or processed, the associated MYWP should report the:

1. Quantity moved or processed in the measurement period. Quantity should be measured using mass (or volume).
2. % of the initial inventory this represents.
3. % of the inventory that has been removed/processed to date (since the inception of cleanup).

4.2.3.1 Spent Nuclear Fuel Project

4.2.3.1.1 Project Description Summary

This portion of the Spent Nuclear Fuel (SNF) Mission supports the Hanford Site Mission to clean up the Site by providing safe, economic, environmentally sound management of Site SNF in a manner which stages it to interim on-site storage, initiates interim storage, and deactivating the 100 K Area facilities. The SNF scope includes:

All the Hanford Site SNF, as defined in Hanford Spent Fuel Inventory Baseline,

WHC-SD-SNF-TI-001, except irradiated fuel material classified otherwise by formal direction from RL. Sludge is considered SNF until removed from the K Basins.

K Basin facilities, associated operations, and equipment. This includes the basins, solid and particulate matter, water and associated basin and auxiliary support equipment and buildings, as well as N reactor and Single-Pass Reactor (SPR) fuel contained in the K Basins.

All the Hanford Site SNF stabilization, handling, and onsite transfer activities to achieve safe, interim storage. Retrieve all SNF at the K Basins for packaging, stabilization, and transportation to interim storage. Remove and transfer sludge and debris at the K Basins to disposition.

All new or modified Hanford Site SNF facilities (Cold Vacuum Drying (CVD), Canister Storage Building (CSB)) associated with receipt, stabilization and interim storage before staging for final disposition. Acquire SNF interim storage facilities. Operate interim storage facilities until the SNF from the K Basins is stored in a dry configuration.

Transfer and transport of SNF from custodian facilities to SNF facilities as identified in formal agreements with current fuel custodians. Manage and integrate activities associated with SNF from locations on the Hanford Site other than the K Basins, including the other SNF at the Hanford Site. Operating the complex which includes the CSB and 200 Area Interim Storage Area until the SNF from the K Basins is stored in a dry configuration..

Management and integration of activities at the 100 K Area until the SNF, debris, and sludge have been removed from the K Basins. Characterization of the SNF and sludge at the K Basins. Removal of the water at the K Basins until the SNF, sludge, and debris are removed.

Accomplishment of all SNF activities safely, efficiently, in compliance with applicable regulations, and with the involvement of stakeholders.

Deactivation of the K Basins and interim stabilization and storage facilities to a condition that meets requirements for transfer to the organization(s) responsible for final disposition of these facilities. Performance of activities that foster facility deactivation at no additional cost to SNF. Perform deactivation planning associated with existing and future SNF Project facilities.

4.2.3.1.2 Life-Cycle Material and Waste Flow

Table 4-34 Spent Nuclear Fuel Project Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
100 K Area Facilities	LLW (Liquid)	2000 - 2000	37.8	cubic meters
Canister Storage Building	Spent Nuclear Fuel (SNF)	2001 - 2003	2120	MTHM
200 Interim Storage Area (ISA)	Spent Nuclear Fuel (SNF)	2000 - 2013	13.6	MTHM

Table 4-35 Spent Nuclear Fuel Project Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
100 K Area Facilities	CH LLMW I	2000 - 2006	35.2	cubic meters
	CH LLW I	2000 - 2006	861.0	cubic meters
	CH LLW III	2000 - 2000	8.76	cubic meters
	CH TRU	2000 - 2006	223.0	cubic meters
	HAZ	2000 - 2003	20.5	cubic meters
	LLW (Liquid)	2000 - 2003	28000	cubic meters

Table 4-35 Spent Nuclear Fuel Project Waste/Material Flow (Out) (Continued)

Major Facility	Category	Period	Value	Units
	RH TRU	2001 - 2006	46.9	cubic meters
	RH TRUM	2003 - 2004	611.0	cubic meters
	Spent Nuclear Fuel (SNF)	2001 - 2003	2100	MTHM
	Spent Nuclear Fuel (SNF)	2004 - 2005	612.0	cubic meters
	Waste Water	2001 - 2007	10900	cubic meters

4.2.3.1.3 Facility Life-Cycle Requirements

- Requirements

  - The SNF Project will transfer secondary waste streams generated by project activities (such as solid LLW, TRU solid waste, and liquid effluents) for storage or disposal on the Hanford Site.
  - Remove sludge and debris from the K Basins for disposition with other Hanford Site wastes and materials.
  - Spent Nuclear Fuel shall be removed from the K Basins.
  - Sludge (50 to 70 m3) shall be removed from the K Basins. Sludge shall be considered SNF until it has been removed from the K Basins. Sludge that is removed from the K Basins by a sludge retrieval process shall be handled as mixed waste after removal from the basins.
  - Debris shall be removed from the 100 K Area Facilities.
  - Contaminated equipment shall be removed from the 100 K Area Facilities.
  - Onsite interim safe, stable storage of nuclear materials shall be provided.
  - Reactors on the River gaseous effluent releases shall be monitored.
  - 100 K Area Facilities shall be surveilled and maintained within the approved safety envelope.
  - CSB and MCOs shall be designed for a 40 year interim storage period.
  - SNF shall be emplaced in the CSB for safe, cost effective interim storage until a federal repository is available (~40 years).
  - Spent Nuclear Fuel removed from the K Basins shall be stabilized for cost effective, interim, dry, onsite storage.
  - Spent Nuclear Fuel removed from the K Basins shall be packaged for cost effective, interim, dry, onsite storage.
  - Accomplish fuel conditioning in accordance with project plans which currently include a cold-vacuum drying process, located in the100K area. Construct the Cold-Vacuum Drying Facility and make it available for fuel transfer. Transfer the facility(s) to the Environmental Restoration Project for D&D on completion of operations.
  - Water contained in the 100 K Area Facilities shall be treated to maintain water quality and safe conditions within the basins and to reduce tritium levels.
  - The Contractor shall provide management and integration of activities required to reduce the risk from and the cost of spent fuel on the site. Several types of spent fuel are present at Hanford. The largest volume of material is the spent N-Reactor fuel currently stored in K Basins. Almost 7,500 canisters of fuel containing 2100 MT are stored at the 100-K Basins, approximately 3,800 of them in the KW Basin, and approximately 3,600 in the KE Basin.
  - Complete, contingent on the completion of the National Environmental Policy Act (NEPA) documentation, the design and construction of the Canister Storage Building (CSB) to be used for dry storage of the K Basin spent fuel; take actions to make it operational, and operate the facility.

- POLLUTION PREVENTION/WASTE MINIMIZATION

  The Contractor shall:

  (1) Minimize pollution and the generation of wastes by implementing a DOE-approved pollution prevention and waste minimization program at the Hanford Site. This program shall ensure that waste generators will bear the disposal costs associated with their newly generated wastes. The program shall be designed within the Project Hanford structure, and address wastes which remain within the realm of a specific project in this structure, as well as wastes which move from one project to another. There shall be a mechanism to ensure that Pollution Prevention Opportunity Assessments are developed and fully considered.

  (2) Develop this program using available data and resources to the extent practicable, including draft Pollution Prevention Program Integration Guidance, waste generation reports produced by the Office of Pollution Prevention within the Environmental Management program, and the "Sitewide Systems Analysis" required by milestone M-33 of the Tri-Party Agreement. Source reduction shall be first priority, followed by environmentally safe recycling. Treatment to reduce quantity, toxicity, and/or mobility will be considered only when prevention or recycling are not possible or practical. Environmentally safe disposal is the last option.

- Planning Assumptions

  - Spent Fuel in Central Plateau - 1 Spent fuels consolidated in the 200 Area in safe, stable, cost-effective interim storage pending national decisions on their ultimate disposition.
  - Facilities in Central Plateau - 2 Provide safe, stable, interim storage for nuclear materials in the 200 Area pending decisions on their ultimate disposition.
  - Spent Fuel in South 600 Area - 1 Spent fuels (light water reactor) removed to interim storage in 400 Area pending availability of 200 Area interim storage.
  - Facilities in South 600 Area - 7 Transfer Special Nuclear Material to 200 Area for interim storage.
  - Nuclear materials shall be consolidated in the Central Plateau for interim storage pending ultimate disposition.
  - Facilities under the stewardship of the Spent Nuclear Fuel Project shall be transitioned to a low cost, stable, deactivated condition.
  - 100 K Area Facilities shall be stabilized and cleaned sufficient to transition to decontamination and decommissioning.
  - Canister storage building shall be constructed.

4.2.3.1.4 Project Safety Authorization Basis/NEPA and Permits

The SNF Project shall manage all activities in accordance with approved Authorization Basis documents and approved S/RIDs. The following Authorization Basis documents, their associated safety evaluation reports, and S/RIDs apply.

- "K Basins Safety Analysis Report," WHC-SD-SNF-WM-062, including the referenced "K Basin Hazard Categorization," WHC-SD-SNF-HC-001 (11/94), and any approved amendments thereto.
- "K Basins Technical Safety Requirements," WHC-SD-SNF-TSR-001, and any approved amendments thereto.
- All approved K Basins Safety Evaluation Reports
- Letter, J. D. Wagoner, RL to Mr. H. J. Hatch, President, Fluor Daniel Hanford, Inc. "Contract No. DE-AC06-96RL13200 - REMOVAL OF RESTRICTION REGARDING CRANE TROLLEY MOVEMENT," dated May 5, 1998 (98-SFD-089).
- Letter, J. D. Wagoner, RL, to Mr. H. J. Hatch, President, Fluor Daniel Hanford, Inc, "Contract No. DE-AC06-96RL13200 - APPROVAL OF K BASINS SAFETY ANALYSIS REPORT (SAR) WHC-SD-WM-SAR 062, REVISION (REV.) 3B AND K BASINS TECHNICAL SAFETY REQUIREMENTS (TSR) REV. 0-B," dated March 20, 1998 (98-SFD-063).
- Letter, J. D. Wagoner, RL, to Mr. R. D. Hanson, Acting President, Fluor Daniel Hanford, Inc, "Contract No. DE-AC06-96RL13200-Approval of Fuel Return Operations Using Chem Nuclear 1-13G Cask at the K East Basins South Load-Out Pit Evaluatons" dated August 25, 1998 (98-SFD-166).
- Letter, J. D. Wagoner, RL, to Mr. R. D. Hanson, Acting President, Fluor Daniel Hanford, Inc, "Contract No. DE-AC06-96RL13200-K Basins Safety Analysis Report (SAR) Annual Update," and attached Safety Evaluation Report (SER), dated September 18, 1998 (98-SFD-176).
- Letter, J. D. Wagoner, RL, to Mr. R. D. Hanson, Acting President, Fluor Daniel Hanford, Inc, "Contract No. DE-AC06-96RL13200-K Basins Safety Analysis Report (SAR) WHC-SD-WM-SAR-062, proposed Revision 3F, and K Basins Technical Safety Requirements (TSR) WHC-SD-SNF-TSR-001, proposed Revision 0-D, Drain Valve Unreviewed Safety Question (USQ) and Justification for Continued Operation (JCO)," and attached SER, dated September 18, 1998 (98-SFD-187).PAGE CHANGE K - 05/26/99
- Letter, J. D. Wagoner, RL, to Mr. R. D. Hanson, Acting President, Fluor Daniel Hanford, Inc, "Contract No. DE-AC06-96RL13200 -Replacement of Gaseous Chlorination System in 100K Area Potable Water System," and attached SER, dated September 30, 1998, (98-SFD-199).
- Letter, J. D. Wagoner, RL, to Mr. R. D. Hanson, President, Fluor Daniel Hanford Inc., "Contract No. DE-AC06-96RL13200 - Approval of Storage of Limited Amount of Fuel Material With Up To 1.25 Weight Percent (wt%) U235 Enrichland in the K-East (KE) Basin" and attached SER, dated October 30, 1998.
- Letter, K. A. Klein, RL, to Mr. R. D. Hanson, President, Fluor Daniel Hanford, Inc., "Contract No. DE-AC06-96RL13200 - Unreviewed Safety Question (USQ) Evaluation K-99-0280, Safety Analysis Report (SAR) Table 3-10 Loads and Loadout Pit Wall Separation" and attached SER, dated May 21, 1999 (99-SFD-131).

The SNF Project activities are subject to NEPA and shall comply with the NEPA ROD and equivalent CERCLA requirements. The following NEPA documents apply to the SNF Project.

- SNF K Basins Project Environmental Impact Statement Record of Decision (3/96).
- Environmental Permits obtained in the name of RL or FDH that include provisions applicable to SNF K Basins Project facilities and/or operations, including, but not limited to, permits issued under the authority of the Resource Conservation and Recovery Act, as amended; the Federal Water Pollution Control Act (Clean Water Act) as amended; the Toxic Substances Control Act, as amended; and the Clean Air Act, as amended.
- Comprehensive Environmental Response, Compensation, and Liability Act documents and Records of Decision that contain requirements applicable to SNF K Basins Project facilities

and/or operations.

· Resource Conservation and Recovery Act and Safe Drinking Water Act documents that contain requirements applicable to SNF K Basins Project facilities and/or operations.

· Voluntary compliance letters, notices of correction, notices of noncompliance, notices of violation, notices of penalty, administrative or consent orders, or other legal documents issued by an authorized agency delegated regulatory authority that contain requirements applicable to SNF Basins Project Facilities and/or operations, including subsequent approved revisions to referenced documents.

4.2.3.1.5 Tri-Party Agreement Requirements

- TPA.M.34.0.A Complete removal of spent nuclear fuel, sludge, debris, and water at DOE's K Basins. (Due Date 07/31/07)
- TPA.M.34.6.T.1 Initiate K West spent nuclear fuel canister cleaning operations. (Due Date 12/31/00)
- TPA.M.34.8 Initiate full scale K East Basin sludge removal. (Due Date 07/31/04)
- TPA.M.34.9.T.1 Complete K Basins rack and canister removal. (Due Date 12/31/04)
- TPA.M.34.10 Complete sludge removal from K Basins. (Due Date 08/31/05)
- TPA.M.34.11.T.1 Complete construction of K West Basin integrated water treatment system to support spent nuclear fuel removal. (Due Date 06/30/99)
- TPA.M.34.12 Complete construction of K East Basin integrated water treatment system to support spent nuclear fuel removal. (Due Date 02/28/01)
- TPA.M.34.13.A.T.1 Complete construction and installation of K West Basin Spent Nuclear Fuel Retrieval System. (Due Date 07/31/99)
- TPA.M.34.13.B.T.1 Complete construction and installation of K East Basin Spent Nuclear Fuel Retrieval System. (Due Date 11/30/00)
- TPA.M.34.14.A Complete K West Cask Facility Modifications. (Due Date 09/30/99)
- TPA.M.34.14.B.T.1 Complete K East Cask Facility Modifications. (Due Date 01/31/01)
- TPA.M.34.15.A.T.1 Complete two bays of the Cold Vacuum Drying Facility construction and installation. (Due Date 10/31/99)
- TPA.M.34.15.B.T.1 Complete remaining bay(s) of the Cold Vacuum Drying Facility construction and installation. (Due Date 06/30/00)
- TPA.M.34.16 Initiate Removal of K West Basin Spent Nuclear Fuel. (Due Date 11/30/00)
- TPA.M.34.17 Initiate Removal of K East Basin Spent Nuclear Fuel. (Due Date 11/30/01)
- TPA.M.34.18.A Complete Removal of all K West Basin Spent Nuclear Fuel. (Due Date 04/30/03)
- TPA.M.34.18.B Complete Removal of all K East Basin Spent Nuclear Fuel. (Due Date 12/31/03)
- TPA.M.34.19 Initiate removal, replacement, and treatment of contaminated K Basins water where tritium concentrations exceed 300,000 pCi/L. (Due Date 04/30/04)
- TPA.M.34.20 Complete removal, replacement, and treatment of contaminated K Basins water such that tritium concentration in the basin is decreased and is maintained at or below 300,000 pCi/L. This milestone could be satisfied by removing all water. (Due Date 10/31/05)
- TPA.M.34.21 Initiate full scale K West Basin water removal. (Due Date 09/30/04)
- TPA.M.34.22 Complete K West Basin water removal. (Due Date 09/30/05)
- TPA.M.34.23 Initiate full scale K East Basin water removal. (Due Date 10/31/05)

- TPA.M.34.24 Complete K East Basin water removal. (Due Date 10/31/06)
- TPA.M.90.11 Complete Canister Storage Facility Construction. [Due Date: 12/31/2002]

4.2.3.1.6 Interfaces

TABLE 4-36 Spent Nuclear Fuel Project Interfaces

Project Title	Project Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives K Basin HAZ waste
Solid Waste Storage & Disposal	RL-WM03	Receives K Basin Deactivation, CH LLMW I Receives K Basin Deactivation, CH TRU Receives K Basin Deactivation, CH-LLW-I Receives K Basin Deactivation, RH TRU Receives K Basins, CH-LLW-I Receives K OPER, CH-LLMW-I Receives K OPER, CH-LLW-III Receives K OPER, RH-TRU Receives K OPER, RH-TRUM Receives K Project, CH LLW I Receives K PROJECT, CH-TRU
Solid Waste Treatment	RL-WM04	Provides PWR Core 2 Shipment Provides TRIGA Fuel to 200 Area ISA Receives K-Basin Sludge
Liquid Effluents	RL-WM05	Receives K Basin Deactivation Wastewater Receives K Basin Level Control Water
Analytical Services	RL-WM06	Provides Analyzed K-Basin spent nuclear fuel samples Provides Bioassay and Dosimetry Services for SNF Receives Analytical Laboratory Samples from SNF Receives In-Field Laboratory Samples from SNF Receives Spent nuclear fuel analytical samples.
Canister Storage Building Operations	RL-WM02	Receives K Basin SNF Transferred to CSB Receives Spent Nuclear Fuel from FFTF
324/327 Facility Transition	RL-TP08	Provides 324 Spent Nuclear Fuel
Surveillance & Maintenance	RL-ER05	Receives Safe & Compliant Deactivated 100 K Area Facilities

4.2.3.1.7 Requirements References

- DNFSBIP94-1, Defense Nuclear Facilities Safety Board, Implementation Plan 94-1"
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.2.3.2 Canister Storage Building Operations

4.2.3.2.1 Project Description Summary

The Canister Storage Building Operations (CSB Operations) portion of the Spent Nuclear Fuel

(SNF) mission supports the Hanford Site Mission to clean up the Site by providing safe, economic, environmentally sound management of Site SNF in a manner which continues interim storage on-site to final disposition, and deactivating the associated facilities. The CSB Operations scope includes:

All the Hanford Site SNF is defined in Hanford Spent Fuel Inventory Baseline, WHC-SD-SNF-TI-001, except irradiated fuel material classified otherwise by formal direction from RL.

All new or modified Hanford Site SNF facilities associated with interim storage to final disposition.

Management and integration of activities associated with SNF from locations on the Hanford Site in accordance with approved Memorandums of Understanding (MOUs) and Project Agreements (PAs). Operate the complex which includes the CSB and 200 Area Interim Storage Area.

Staging of the Hanford Site SNF for final disposition. This may include additional configuring and packaging of the SNF to meet final disposition requirements, readying it for off-site transfer, and implementing transfer to organization(s) responsible for final disposition.

Accomplishment of all SNF activities safely, efficiently, in compliance with applicable regulations, and with the involvement of stakeholders.

Deactivation of the CSB and 200 Area ISA facilities to a condition that meets requirements for transfer to the organization(s) responsible for final disposition of these facilities. Perform activities that foster facility deactivation at no additional cost to SNF. Perform deactivation planning associated with existing and future SNF facilities. Deactivation activities associated with existing and future SNF facilities.

4.2.3.2.2 Life-Cycle Material and Waste Flow

Table 4-37 Canister Storage Building Operations Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
Canister Storage Building	Spent Nuclear Fuel (SNF)	2001 - 2003	2120	MTHM
200 Interim Storage Area (ISA)	Spent Nuclear Fuel (SNF)	2000 - 2013	13.3	MTHM

Table 4-38 Canister Storage Building Operations Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
Canister Storage Building	Spent Nuclear Fuel (SNF)	2019 - 2040	2100	MTHM
200 Interim Storage Area (ISA)	Spent Nuclear Fuel (SNF)	2003 - 2018	29.4	MTHM

4.2.3.2.3 Facility Life-Cycle Requirements

- Requirements

- SNF to be shipped offsite for final disposition at the national repository
- Maintain the 200 Area ISA within the authorized safety basis and in accordance with approved S/RIDs.
- Na-bonded FFTF Spent Nuclear Fuel shall be shipped to Idaho National Environmental and Engineering Laboratory for treatment and final dispostion in accordance with schedules established by the national SNF Program.
- Central Plateau gaseous effluent releases shall be monitored
- Manage site-wide SNF in accordance with existing, DOE approved, Memoranda of Understanding (MOU).
- Onsite interim safe, stable storage of nuclear materials shall be provided.
- CSB and MCOs shall be designed for a 40 year interim storage period.
- Spent Nuclear Fuel removed from the 100 K Area Facilities shall be placed into cost effective, interim, dry, storage pending shipment to a federal repository (approximately 40 years).
- SNF shall be emplaced in the CSB for safe, cost effective interim storage until a federal repository is available (~40 years).
- Complete, contingent on the completion of the National Environmental Policy Act (NEPA) documentation, the design and construction of the Canister Storage Building (CSB) to be used for dry storage of the K Basin spent fuel; take actions to make it operational, and operate the facility.
- The Canister Storage Building shall be maintained in a safe and compliant mode until turnover to the D&D Phase as described in the CSB Closure Plan (TBD).
- The Canister Storage Building shall perform the activities necessary to place the system components into a safe, stable and environmentally sound condition pending final disposition as described in the CSB Closure Plan (TBD).
- The Canister Storage Building shall comply with the design criteria of ANSI N300-1975, Design Criteria for Decommission of Nuclear Fuel Reprocessing Plants. At the completion of its Operational Mission, the Canister Storage Building shall provide for decontamination of its system components and soils as described in the CSB Closure Plan (TBD).

- Planning Assumptions

  - Spent Fuel in Central Plateau - 2 Spent fuels removed offsite for final disposition.
  - Spent Fuel in South 600 Area - 2 Spent fuels (TRIGA and light water reactor) and applicable FFTF fuels removed from 400 interim storage area to 200 Area.
  - Spent Fuel in South 600 Area - 3 Spent fuels (sodium-bonded EBR-II test assemblies) removed offsite for final disposition.
  - Central Plateau high cost surplus facilities shall be transitioned to a low cost, stable, deactivated condition
  - Central Plateau facilities other than processing facilities shall be dismantled.
  - Facilities other than processing facilities shall be dismantled.
  - Nuclear materials shall be consolidated in the Central Plateau for interim storage pending ultimate disposition.
  - Transitioned facilities shall be decontaminated and decommissioned sufficiently to enable removal or closure through entombment
  - Spent Nuclear Fuel removed from 100 K Area Facilities shall be shipped offsite for disposal in a national repository.
  - Site Wide Spent Nuclear Fuel shall be shipped offsite for disposal in a national repository.

4.2.3.2.4 Project Safety Authorization Basis/NEPA and Permits

The SNF Project shall manage all activities in accordance with approved Authorization Basis documents and approved S/RIDs. The existing Authorization Basis documents for the Project will be amended appropriately for CSB Operations (WM-02) activities.

The SNF Project activities are subject to NEPA and shall comply with the NEPA ROD and equivalent CERCLA requirements. The following NEPA documents apply to the SNF Project, as amended, for Canister Storage Building Operations (RL-WM02) specific activities:

· Environmental Permits obtained in the name of RL or FDH that include provisions applicable to SNF Project facilities and/or operations, including but not limited to, permits issued under the authority of the Resource Conservation and Recovery Act, as amended; the Federal Water Pollution Control Act (Clean Water Act) as amended; the Toxic Substance Control Act, as amended; and the Clean Air Act, as amended.
· Comprehensive Environmental Response, Compensation, and Liability Act documents and Records of Decision that contain requirements applicable to SNF Project facilities and/or operations.
· Resource Conservation and Recovery Act and Safe Drinking Water Act documents that contain requirements applicable to SNF Project facilities and/or operations.
· Voluntary compliance letters, notices of correction, notices of noncompliance, notices of violation, notices of penalty, administrative or consent orders, or other legal documents issued by an authorized agency delegated regulatory authority that contain requirements applicable to SNF Project facilities and/or operations, including subsequent approved revisions to referenced documents.

4.2.3.2.5 Tri-Party Agreement Requirements

· None

4.2.3.2.6 Interfaces

TABLE 4-39 Canister Storage Building Operations Interfaces

Project Title	Project Number	Interface
National Geologic Repository	EXTERNAL	Receives Dispositioned Non-Defense Production Reactor SNF Receives Dispostioned Defense Production Reactor SNF
Idaho National Engineering Laboratory	EXTERNAL	Receives Sodium (Na) Bonded FFTF SNF
Immobilized Tank Waste Storage & Disposal	RL-TW09	Provides Excess Canister Storage Building
Solid Waste Treatment	RL-WM04	Provides PWR Core 2 Shipment Provides TRIGA Fuel to 200 Area ISA
Spent Nuclear Fuel Project	RL-WM01	Provides K Basin SNF Transferred to CSB Provides Spent Nuclear Fuel from FFTF
324/327 Facility Transition	RL-TP08	Provides 324 Spent Nuclear Fuel
ER Disposal Facility (ERDF)	RL-ER04	Receives Rubble from the 200 Area Interim Storage Facility Demolition Receives Rubble from the CSB Demolition

4.2.3.2.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-96-92, Hanford Strategic Plan"
- HNF-SD-WM-MAR-008, Rev. 3, Tank Waste Remediation System Mission Analysis (TWRS MAR)"

Concurrence: _____
L. D. Romine, Director
Transition Programs
Division,
U.S. Department of Energy,
Richland Operations Office

Approved by: _____
P. M. Knollmeyer
Assistant Manager for
Facility Transition,
U.S. Department of Energy,
Richland Operations Office

4.2.4 FSP Project

The primary Facility Stabilization Project (FSP) mission is to deactivate contaminated facilities on the Hanford Site, in preparation for Decontamination and Decommissioning (D&D), and to provide safe and secure storage of Special Nuclear Material (SNM), Nuclear Material (NM), and Nuclear Fuel (NF) until these materials can be transferred to another facility, sold, or dispositioned.

The FSP mission includes providing minimum safe surveillance and maintenance of facilities on the Hanford Site to reduce risks to workers, the public and environment, until they are transitioned to a low cost, long term surveillance and maintenance (S&M) state. Facility Stabilization will protect the health and safety of the public and our workers, protect the environment, and provide beneficial use of the facilities and other resources where it makes sense to do so. Work will be in accordance with the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), local, national, international and other agreements, and in compliance with all applicable Federal, state, and local laws. The stakeholders will be active participants in the decision processes including establishing priorities, and in developing a consistent set of rules, regulations, and laws. Work will be leveraged with a view of providing positive, lasting economic impact in the region.

The primary FSP objectives include the following.

- Develop detailed facility deactivation plans, end point criteria, and regulatory documentation.
- Achieve compliance with Environmental, Safety, and Health (ES&H) codes and standards during deactivation and establish a passively safe and environmentally secure configuration that is easily maintained until final D&D.
- Implement cost-effective, innovative approaches to ensure the required safety envelope is defined and maintained during deactivation.
- Achieve deactivation of facilities for transfer to the Environmental Restoration (ER) Program, using Plutonium/Uranium Extraction (PUREX) plant deactivation as a model for future facility deactivation.
- Apply lessons learned on other deactivation projects.
- Reduce the annual S&M cost by a factor of ten after completion of deactivation.
- Complete deactivation and turnover of subprojects within approved baseline schedules.
- Protect the health and safety of the public, workers, and environment.
- Seek beneficial uses for facilities, equipment, and materials (all types) and resources.
- Consolidate SNM/NM/NF to the maximum extent practical.
- Manage nuclear materials in a safe and secure condition and where appropriate, in accordance with International Atomic Energy Agency (IAEA) safeguards rules.
- Treat nuclear materials as necessary, and store onsite in long-term interim safe storage awaiting a final disposition decision by U.S. Department of Energy (DOE).
- Implement nuclear materials disposition directives. In the near term these are anticipated to mostly involve transferring uranium to other locations for beneficial use.
- Conduct work in accordance with the Tri-Party Agreement; local, national, international, and other agreements; and in compliance with all applicable federal, state, and local laws.
- Involve stakeholders in the decision processes including establishing priorities, and in

developing a consistent set of rules, regulations, and laws.

- Leverage work with a view of providing positive, lasting economic impact in the region.

Section 8 of the Tri-Party Agreement describes the facility decommissioning process and divides it into three main phases. The three phases are transition, surveillance, and maintenance and disposition. The FSP is typically responsible for the transition phase when dealing with contaminated facilities.

The transition to deactivation will be accomplished through a phased approach, while maintaining the facilities in a safe and compliant configuration. In addition, Facility Stabilization will continue to maintain safe long-term storage facilities for SNM, NM, and NF.

The FSP shall use guidance contained in WHC-SD-CP-MAR-003, Mission Analysis Report: Deactivation Facilities at Hanford (Lund 1996), the Hanford Excess Facility Management Plan, and the U.S. Department of Energy, Office of Environmental Management, Office of Nuclear Material and Facility Stabilization Material Stabilization and Facility Deactivation Project Policies and Supplemental Information as a basis for planning and executing subprojects.

The management of SNM/NM/NF (including irradiated and nonirradiated) shall include the receiving, handling, processing, storing, and transfer for ultimate disposition of these materials in a safe, efficient, and environmentally responsible manner. Materials included are Pu (and highly enriched uranium [HEU]) as inventoried, Spent Nuclear Fuel (SNF), Cs/Sr capsules, thorium (Th), and miscellaneous actinides such as neptunium and californium, nuclear standards and sources, and uranium (depleted, naturally occurring, and low-enriched).

4.2.4.a Project Structure

- B-Plant (RL-TP01)
- WESF (RL-TP02)
- PUREX (RL-TP03)
- 300 Area/SNM (RL-TP04)
- PFP (RL-TP05)
- Transition Project Management (RL-TP12)
- Accelerated Deactivation (RL-TP10)
- 324/327 Facility Transition (RL-TP08)
- Hanford Surplus Facility Prog 300A Revitalization (RL-TP14)

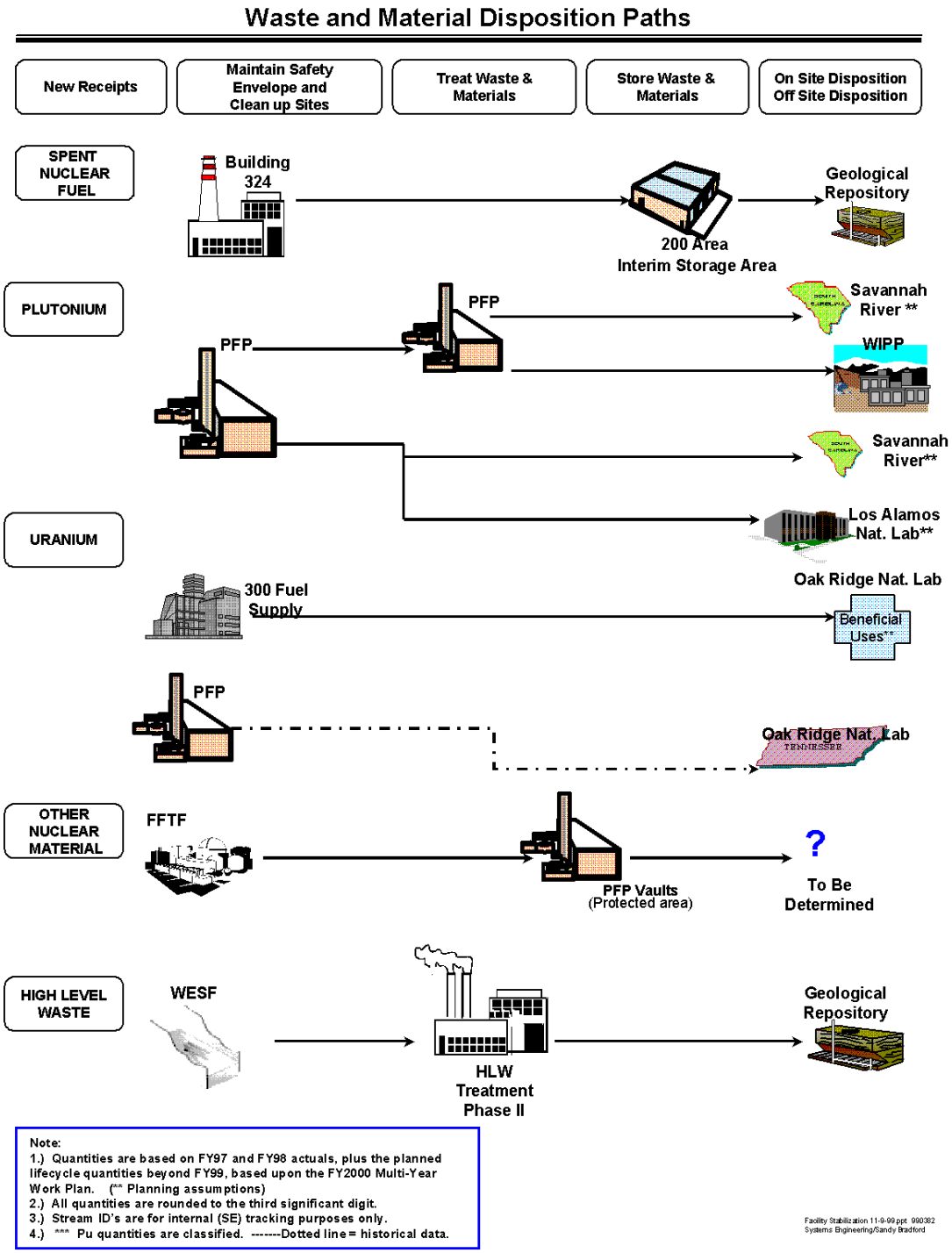
4.2.4.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- The 200 Areas and central plateau will be used for the management of nuclear materials and the collection and disposal of waste materials that remain onsite and for other related and compatible uses. Cleanup levels and disposal standards will be established that are consistent with these long-term uses.
- The 300 Area waste sites, materials and facilities will be remediated to allow industrial and economic diversification opportunities. The Federal government will retain ownership of land in and adjacent to the 300 and 400 Areas, but will lease land for private and public uses to support regional industrial and economic development. Excess land within the 1100 Area will be targeted for transition to non-Federal ownership.
- Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.
- Spent nuclear fuels will be prepared and packaged as necessary for interim, dry storage onsite, and shipped offsite for disposal in a national repository.

4.2.4.c Technical Logic

Figure 4-5 Facility Stabilization Material/Flow Logic



4.2.4.d Facility Life-Cycle Responsibility Assignments

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
100-DR Reactor	RL-ER10						RL-ER06
1720DR	RL-ER10					RL-TP10	RL-ER06
CP Soil Site Operable Units	RL-ER10					RL-ER02 RL-ER05	RL-ER02 RL-ER07
209E						RL-TP10	RL-ER06
242S					RL-TW03	RL-TP10	RL-TW04
242T					RL-TW03	RL-TP10	RL-TW04
2713W					RL-TW03	RL-TP10	RL-TW04
200 LEF	RL-WM05				RL-WM05		RL-ER02 RL-ER06
242-A Evaporator	RL-WM05				RL-WM05	RL-ER05 RL-TP10	RL-ER06 RL-ER07
242A	RL-WM05				RL-WM05	RL-TP10 RL-TP13	RL-ER06 RL-TP13
242AB	RL-WM05				RL-WM05	RL-TP10 RL-TP13	RL-ER06 RL-TP13
Liquid Effluent Retention Facility	RL-WM05				RL-WM05	RL-ER05 RL-TP10	RL-ER06 RL-ER07
242AL-42	RL-WM05				RL-WM05	RL-TP10	RL-ER06
242AL-43	RL-WM05				RL-WM05	RL-TP10	RL-ER06
242AL-44	RL-WM05				RL-WM05	RL-TP10	RL-ER06
242AL11	RL-WM05				RL-WM05	RL-TP10	RL-ER06
200 Area Effluent Treatment Facility	RL-WM05				RL-WM05	RL-ER05 RL-TP10	RL-ER06 RL-ER07
2025E	RL-WM05				RL-WM05	RL-TP10	RL-ER06
2025EC	RL-WM05				RL-WM05	RL-TP10	RL-ER06
2025EC71	RL-WM05				RL-WM05	RL-TP10	RL-ER06
225W	RL-WM05				RL-WM05	RL-TP10	RL-ER06
PUREX	RL-TP03					RL-ER05 RL-TP03	RL-ER06 RL-ER07
202A	RL-TP03					RL-TP03	RL-ER06
203A	RL-TP03					RL-TP03	RL-ER06
204A	RL-TP03					RL-TP03	RL-ER06
205A	RL-TP03					RL-TP03	RL-ER06
206A	RL-TP03					RL-TP03	RL-ER06
210A	RL-TP03					RL-TP03	RL-ER06
211A	RL-TP03					RL-TP03	RL-ER06
212A	RL-TP03					RL-TP03	RL-ER06
213A	RL-TP03					RL-TP03	RL-ER06
215A	RL-TP03					RL-TP03	RL-ER06
214A	RL-TP03					RL-TP03	RL-ER06
216A	RL-TP03					RL-TP03	RL-ER06
218E14	RL-TP03					RL-TP03	RL-ER06
218E15	RL-TP10					RL-TP10	RL-ER06
225EC	RL-TP03				RL-WM05	RL-TP13	RL-TP13
245A	RL-TP03					RL-TP03	RL-ER06
2701AB	RL-TP03					RL-TP03	RL-ER06
2701AC	RL-TP03					RL-TP03	RL-ER06
271A	RL-TP03					RL-TP03	RL-ER06
2711A	RL-TP03					RL-TP03	
2712A	RL-TP03					RL-TP03	RL-ER06
2716A	RL-TP03					RL-TP03	RL-ER06
2714A	RL-TP03					RL-TP03	RL-ER06
271AB	RL-TP03					RL-TP03	RL-ER06
276A	RL-TP03					RL-TP03	RL-ER06
281A	RL-TP03					RL-TP03	RL-ER06
291A	RL-TP03					RL-TP03	RL-ER06
291AB	RL-TP03					RL-TP03	RL-ER06
291AC	RL-TP03					RL-TP03	RL-ER06
291AD	RL-TP03					RL-TP03	RL-ER06

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
291AE	RL-TP03					RL-TP03	RL-ER06
291AG	RL-TP03					RL-TP03	RL-ER06
291AH	RL-TP03					RL-TP03	RL-ER06
291AJ	RL-TP03					RL-TP03	RL-ER06
291AK	RL-TP03					RL-TP03	RL-ER06
292AA	RL-TP03					RL-TP03	RL-ER06
292AB	RL-TP03					RL-TP03	RL-ER06
293A	RL-TP03					RL-TP03	RL-ER06
294A	RL-TP03					RL-TP03	RL-ER06
295A	RL-TP03					RL-TP03	RL-ER06
295A1	RL-TP03					RL-TP03	RL-ER06
295A2	RL-TP03					RL-TP03	RL-ER06
295AA	RL-TP03					RL-TP03	RL-ER06
295AB	RL-TP03					RL-TP03	RL-ER06
295AC	RL-TP03					RL-TP03	RL-ER06
295AD	RL-TP03					RL-TP03	RL-ER06
295AE	RL-TP03					RL-TP03	RL-ER06
217A	RL-TP03					RL-TP03	RL-ER06
252AB	RL-TP03					RL-TP03	RL-ER06
293AA	RL-TP03					RL-TP03	RL-ER06
B Plant	RL-TP01					RL-ER05 RL-TP01	RL-ER06 RL-ER07
207B	RL-TP01						RL-ER06
207BA	RL-TP01						RL-ER06
211B	RL-TP01					RL-TP01	RL-ER06
211BB	RL-TP01					RL-TP01	RL-ER06
212B	RL-TP01					RL-TP01	RL-ER06
217B	RL-TP01						RL-ER06
221B	RL-TP01					RL-TP01	RL-ER06
221BA	RL-TP01						RL-ER06
221BB	RL-TP01					RL-TP01	RL-ER06
221BC	RL-TP01					RL-TP01	RL-ER06
221BD	RL-TP01					RL-TP01	RL-ER06
221BE	RL-TP01					RL-TP01	RL-ER06
221BF	RL-TP01					RL-TP01	RL-ER06
221BG	RL-TP01						RL-ER06
222B	RL-TP01					RL-TP01	RL-ER06
2711B	RL-TP01					RL-TP01	RL-ER06
2715B	RL-TP01						RL-ER06
2716B	RL-TP01					RL-TP01	RL-ER06
271B	RL-TP01					RL-TP01	RL-ER06
271BA	RL-TP01						RL-ER06
276B	RL-TP01					RL-TP01	RL-ER06
291B	RL-TP01					RL-TP01	RL-ER06
291BA	RL-TP01					RL-TP01	RL-ER06
291BB	RL-TP01					RL-TP01	RL-ER06
291BC	RL-TP01					RL-TP01	RL-ER06
291BD	RL-TP01					RL-TP01	RL-ER06
291BF	RL-TP01					RL-TP01	RL-ER06
291BG	RL-TP01					RL-TP01	RL-ER06
291BH	RL-TP01					RL-TP01	RL-ER06
291BJ	RL-TP01						RL-ER06
291BK	RL-TP01					RL-TP01	RL-ER06
292B	RL-TP01					RL-TP01	RL-ER06
219B	RL-TP01					RL-TP01	RL-ER06
291BE	RL-TP01					RL-TP01	RL-ER06
WESF	RL-TP02				RL-TP02	RL-ER05 RL-TP02	RL-ER06 RL-ER07
218B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BB	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BC	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BD	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BE	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BG	RL-TP02				RL-TP02	RL-TP02	RL-ER06

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
225BF	RL-TP02				RL-TP02	RL-TP02	RL-ER06
282B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
282BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
294B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
211BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
272B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
272BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
272BB	RL-TP02				RL-TP02	RL-TP02	RL-ER06
PFP	RL-TP05					RL-ER05 RL-TP05	RL-ER06 RL-ER07 RL-TP05
216Z9A	RL-TP05					RL-TP05	RL-ER06
216Z9B	RL-TP05					RL-TP05	RL-ER06
216Z9C	RL-TP05					RL-TP05	RL-ER06
225WC	RL-TP05					RL-TP05	RL-ER06
231Z	RL-TP05 RL-TP10					RL-TP10	RL-ER06
232Z	RL-TP05					RL-TP05	RL-ER06
234-5Z	RL-TP05					RL-TP05	RL-ER06
234-5Z-BA	RL-TP05 RL-TP13				RL-I111	RL-TP13	RL-ER06
234-5ZA	RL-TP05					RL-TP05	RL-ER06
234ZB	RL-TP05					RL-TP05	RL-ER06
234ZC	RL-TP05					RL-TP05	RL-ER06
236Z	RL-TP05					RL-TP05	RL-ER06
241Z	RL-TP05					RL-TP05	RL-ER06
241ZA	RL-TP05					RL-TP05	RL-ER06
241ZB	RL-TP05					RL-TP05	RL-ER06
241ZG	RL-TP05					RL-TP05	RL-ER06
241ZRB	RL-TP05					RL-TP05	RL-ER06
242Z	RL-TP05					RL-TP05	RL-ER06
243Z	RL-TP05					RL-TP05	RL-ER06
243ZA	RL-TP05					RL-TP05	RL-ER06
243ZB	RL-TP05					RL-TP05	RL-ER06
267Z	RL-TP05					RL-TP05	RL-ER06
2701ZA	RL-TP05					RL-TP05	RL-ER06
2701ZB	RL-TP05					RL-TP05	
2701ZD	RL-TP05					RL-TP05	RL-ER06
2702Z	RL-TP05					RL-TP05	RL-ER06
2704Z	RL-TP05					RL-TP05	RL-ER06
2705Z	RL-TP05					RL-TP05	RL-ER06
270Z	RL-TP05					RL-TP05	RL-ER06
2712Z	RL-TP05					RL-TP05	RL-ER06
2715Z	RL-TP05					RL-TP05	RL-ER06
2715ZL	RL-TP05					RL-TP05	RL-ER06
2721Z	RL-TP05					RL-TP05	RL-ER06
2722Z	RL-TP05					RL-TP05	RL-ER06
2725Z	RL-TP05					RL-TP05	RL-ER06
2727Z	RL-TP05					RL-TP05	RL-ER06
2729Z	RL-TP05					RL-TP05	RL-ER06
2731Z	RL-TP05					RL-TP05	RL-ER06
2731ZA	RL-TP05					RL-TP05	RL-ER06
2734Z	RL-TP05					RL-TP05	RL-ER06
2734ZA	RL-TP05					RL-TP05	RL-ER06
2734ZB	RL-TP05					RL-TP05	RL-ER06
2734ZC	RL-TP05					RL-TP05	RL-ER06
2734ZD	RL-TP05					RL-TP05	RL-ER06
2734ZF	RL-TP05					RL-TP05	RL-ER06
2734ZG	RL-TP05					RL-TP05	RL-ER06
2734ZH	RL-TP05					RL-TP05	RL-ER06
2734ZJ	RL-TP05					RL-TP05	RL-ER06
2734ZK	RL-TP05					RL-TP05	RL-ER06
2734ZL	RL-TP05					RL-TP05	RL-ER06
2735Z	RL-TP05					RL-TP05	RL-ER06
2736Z	RL-TP05					RL-TP05	RL-ER06
2736ZA	RL-TP05					RL-TP05	RL-ER06

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
2736ZB	RL-TP05					RL-TP05	RL-ER06
2736ZC	RL-TP05					RL-TP05	RL-ER06
2736ZD	RL-TP05					RL-TP05	RL-ER06
2902Z	RL-TP05					RL-TP05	RL-ER06
2904ZA	RL-TP05					RL-TP05	RL-ER06
2904ZB	RL-TP05					RL-TP05	RL-ER06
291Z	RL-TP05					RL-TP05	RL-ER06
291Z1	RL-TP05					RL-TP05	RL-ER06
MO014	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO428	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO429	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO432	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO834	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO839	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
U Plant	RL-ER02						RL-ER06 RL-ER07
222U	RL-ER02					RL-TP10	RL-ER06
2714U	RL-ER02					RL-TP03	RL-ER06
T-Plant Canyon Facility	RL-WM04				RL-WM04	RL-ER05 RL-TP10	RL-ER06 RL-ER07
211T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
211T52	RL-WM04				RL-WM04	RL-TP10	RL-ER06
214T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
222T	RL-WM04					RL-TP10	RL-ER06
221T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
221TA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
221TB	RL-WM04				RL-WM04	RL-TP10	RL-ER06
225WA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
231T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2715T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2716T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
271T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
277T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
291T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
292T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2706T Facility	RL-WM04				RL-WM04	RL-ER05 RL-TP10	RL-ER06 RL-ER07
2706TA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2706TB	RL-WM04				RL-WM04	RL-TP10	RL-ER06
M-91 Facility	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-TP10	RL-ER06
Low-Level Mixed Waste Stabilization Contract	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-TP10	RL-ER06
Thermal Treatment Contract	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-TP10	RL-ER06
WRAP	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2336W	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2740W	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2620W	RL-WM04				RL-WM04	RL-TP10	RL-ER06
218W5252	RL-WM04				RL-WM04	RL-TP10	RL-ER06
218W5252A	RL-WM04				RL-WM04	RL-TP10	RL-ER06
Tank Farm System					RL-TW01 RL-TW02 RL-TW03 RL-TW04	RL-TW03	RL-TW04
Solid Waste Storage	RL-WM03				RL-WM03	RL-TP10 RL-WM03	RL-ER06
2727W	RL-WM03				RL-WM03	RL-TP10	RL-ER06
Transuranic Storage and Assay Facility	RL-TP10					RL-ER05 RL-TP10	RL-ER06 RL-ER07
224T	RL-TP10					RL-TP10	RL-ER06

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
222-S Laboratory	RL-WM06				RL-WM06	RL-ER05 RL-TP10	RL-ER06 RL-ER07
207SL	RL-WM06				RL-WM06	RL-TP10	RL-ER06
212S/213S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
219S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SA	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SB	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SC	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SD	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SE	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SF	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SG	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SH	RL-WM06				RL-WM06	RL-TP10	RL-ER06
225WB	RL-WM06				RL-WM06	RL-TP10	RL-ER06
2716S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
2734S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
272S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
WSCF	RL-WM06				RL-WM06	RL-ER06	RL-ER06 RL-ER07
6266	RL-WM06				RL-WM06	RL-TP10	RL-ER06
6266B	RL-WM06				RL-WM06	RL-TP10	RL-ER06
6266A	RL-WM06				RL-WM06	RL-TP10	RL-ER06
6267	RL-WM06				RL-WM06	RL-TP10	RL-ER06
300 Area Fuel Supply System	RL-TP04					RL-ER05 RL-TP04	RL-ER06 RL-ER07
303B	RL-TP04					RL-TP04	RL-ER06
303A	RL-TP04					RL-TP04	RL-ER06
303E	RL-TP04					RL-TP04	RL-ER06
303F	RL-TP04					RL-TP04	RL-ER06
303G	RL-TP04					RL-TP04	RL-ER06
303K	RL-TP04					RL-TP04	RL-ER06
303M	RL-TP04					RL-TP04	RL-ER06
304/304A	RL-TP04					RL-TP04	RL-ER06
313	RL-TP04					RL-TP04	RL-ER06
333	RL-TP04					RL-TP04	RL-ER06
334	RL-TP04					RL-TP04	RL-ER06
334A	RL-TP04					RL-TP04	RL-ER06
3707G	RL-TP04					RL-TP04	RL-ER06
3712	RL-TP04					RL-TP04	RL-ER06
3716	RL-TP04					RL-TP04	RL-ER06
MO052	RL-TP04 RL-TP13				RL-TP04	RL-TP13	RL-ER06
NE Legacy Facilities	RL-TP11					RL-TP11	RL-ER05
335 Sodium Test Facility	RL-TP11					RL-TP11 RL-TP14	RL-ER05
337B	RL-TP11					RL-TP11 RL-TP14	RL-ER05
3718M	RL-TP11					RL-TP11 RL-TP14	RL-ER05
324 Facility	RL-TP08					RL-ER05 RL-TP08	RL-ER06 RL-ER07
324	RL-TP08					RL-TP08	RL-ER06
324A	RL-TP08					RL-TP08	RL-ER06
324BA	RL-I111 RL-TP08				RL-I111	RL-I111	RL-I111
324D	RL-TP08					RL-TP08	RL-ER06
3718E	RL-TP08					RL-TP08	RL-ER06
3718G	RL-TP08				RL-TP08	RL-TP08	RL-ER06
325 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
325BA	RL-I111 RL-TP14				RL-I111	RL-I111	RL-I111
326 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07

Table 4-40 Facility Stabilization Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
327 Facility	RL-TP08					RL-ER05 RL-TP08	RL-ER06 RL-ER07
327	RL-TP08					RL-ER05 RL-TP08	RL-ER06 RL-ER07
3723	RL-TP08					RL-TP08	RL-ER06
329 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
306W	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
Misc Radiological Facilities	RL-ST01 RL-TP14				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
2718E	RL-ST01				RL-ST01	RL-TP10	RL-ER06
303C	RL-ST01				RL-ST01	RL-TP14	RL-ER06
305B	RL-ST01				RL-ST01	RL-TP14	RL-ER03
306E	RL-OT01				Cogema	RL-TP14	RL-TP13
314	RL-ST01					RL-TP14	RL-ER06
314B	RL-ST01				RL-ST01	RL-TP14	RL-ER06
318	RL-ST01				RL-ST01	RL-TP14	RL-ER06 RL-ER07
320	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
321 Facility						RL-TP14	RL-ER06
321						RL-TP14	RL-ER06
321B						RL-TP14	RL-ER06
321C						RL-TP14	RL-ER06
321D						RL-TP14	RL-ER06
323	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3706						RL-TP14	RL-ER06
3706A						RL-TP14	RL-ER06
3708	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3720	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3730	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3731A	RL-ST01					RL-TP14	RL-ER03
3745	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3745B	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3746A						RL-TP14	RL-ER06
377						RL-TP14	RL-ER06
331 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
331	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331B	RL-ST01					RL-TP14	RL-ER06
331C	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331D	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331 Dog Run	RL-ST01					RL-TP14	RL-ER06
331G	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331H	RL-ST01				RL-ST01	RL-TP14	RL-ER06
General Purpose Offices	RL-I13 RL-TP13				RL-I13 RL-TP13	RL-TP13	RL-TP13
General Purpose Warehouses	RL-I149 RL-TP13				RL-I149 RL-TP13	RL-TP13	RL-TP13
212P	RL-I149				RL-I149	RL-TP10	RL-TP10
Environmental Support Facilities	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
242B					RL-TP10	RL-TP10	
242BL					RL-TP10	RL-TP10	
6652H	RL-ST01				RL-ST01	RL-TP10	RL-ER02

* RL PBS Identifier Index:

Cogema - Cogema
RL-ER02 - 200 Area Source Remedial Action
RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning

RL-ER07 - Long Term Surveillance & Maintenance
RL-ER10 - ER Program Management and Support
RL-I111 - Steam Utilities
RL-I13 - General Purpose Facilities
RL-I131 - Government Owned Offices
RL-I149 - Asset Management
RL-OT01 - Mission Support - Other Multi-Year Program
RL-ST01 - PNNL Waste Management
RL-TP01 - B-Plant
RL-TP02 - WESF
RL-TP03 - PUREX
RL-TP04 - 300 Area/SNM
RL-TP05 - PFP
RL-TP08 - 324/327 Facility Transition
RL-TP10 - Accelerated Deactivation
RL-TP11 - Advanced Reactors Transition
RL-TP13 - Landlord
RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization
RL-TW01 - Tank Waste Characterization
RL-TW02 - Tank Safety Issue Resolution
RL-TW03 - Tank Farm Operations
RL-TW04 - Retrieval
RL-WM03 - Solid Waste Storage & Disposal
RL-WM04 - Solid Waste Treatment
RL-WM05 - Liquid Effluents
RL-WM06 - Analytical Services

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
CP Soil Site Operable Units	Active		RL-ER02 RL-ER05	RL-ER02 RL-ER07
200-E-100, Steam Trap 2P-Yard-MSS-TRP-019, Miscellaneous Stream #571	Active	RL-TP01		
200-E-16, B Plant Waste Concentrator, Low Level Waste Concentrator, Single-Stage Thermal Siphon Reboiler	Active	RL-TP01	RL-ER02	RL-ER02
200-E-25, 272-BB French Drain, Insulation Shop French Drain, Miscellaneous Stream #659	Active	RL-TP01		
200-E-28, 221-B Building Steam Condensate Release	Active	RL-TP01	RL-ER02	RL-ER02
200-E-30, 291-B Sand Filter, 221-B Stack Sand Filter	Active	RL-TP01	RL-ER02	RL-ER02
200-E-32, 226-B Pad East Side 90-Day Waste Accumulation Area	Active	RL-TP01		
200-E-88, B Plant Yard Steam Condensate, Miscellaneous Stream #3	Active	RL-TP01		
200-E-89, B Plant Yard Steam Condensate, Miscellaneous Stream #4	Active	RL-TP01		
200-E-90, B Plant Yard Steam Condensate, Miscellaneous Stream #5	Active	RL-TP01		
200-E-91, B Plant Yard Steam Condensate, Miscellaneous Stream #6	Active	RL-TP01		
200-E-92, B Plant Yard Steam Condensate, Miscellaneous Stream #7	Active	RL-TP01		
200-E-93, B Plant Yard Steam Condensate, Miscellaneous Stream #8	Active	RL-TP01		
200-E-94, B Plant Yard Steam Condensate, Miscellaneous Stream #9	Active	RL-TP01		
200-E-95, 222B Steam Condensate, Miscellaneous Stream #308	Active	RL-TP01		
200-E-97, 212B Building Steam Condensate, Miscellaneous Stream #470	Active	RL-TP01		
200-E-98, 271B Building Ice Machine Overflow, Miscellaneous Stream #490	Active	RL-TP01		
200-E-99, Steam Trap 2P-Yard-MSS-TRP-017, Miscellaneous Stream #570	Active	RL-TP01		
217-B NU, 217-B Neutralization Unit, Elementary Neutralization Unit/217-B Building	Active	RL-TP01	RL-ER02	RL-ER02
221-B NANU, 221-B Nitric Acid Neutralization Unit, 221-B Elemenary Neutralization Unit for Nitric Acid	Active	RL-TP01	RL-ER02	RL-ER02
221-B SDT, 221-B Settle and Decant Tank, B Plant Settle and Decant Tank, 221-B-8-1 and 221-B-8-2, 221-B-TK-8-1 and 221-B-TK-8-2	Active	RL-TP01	RL-ER02	RL-ER02
221-B SHNU, 221-B Sodium Hydroxide Neutralization Unit, 221-B Elementary Neutralization Unit for Sodium Hydroxide	Active	RL-TP01	RL-ER02	RL-ER02
221-B-26-1, 221-B-TK-26-1, B Plant Radioactive Organic Waste Solvent Tank 1	Active	RL-TP01	RL-ER02	RL-ER02
221-B-27-2, 221-B-TK-27-2, 221-B Tank 27-2	Active	RL-TP01	RL-ER02	RL-ER02
221-B-27-3, 221-B-TK-27-3, B Plant Radioactive Organic Waste Solvent Tank 2	Active	RL-TP01	RL-ER02	RL-ER02

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
221-B-27-4, 221-B-TK-27-4, B Plant Radioactive Organic Waste Solvent Tank 3	Active	RL-TP01	RL-ER02	RL-ER02
221-B-28-3, 221-B-TK-28-3, B Plant Radioactive Organic Waste Solvent Tank 4	Active	RL-TP01	RL-ER02	RL-ER02
221-B-28-4, 221-B-TK-28-4, B Plant Radioactive Organic Waste Solvent Tank 5	Active	RL-TP01	RL-ER02	RL-ER02
221-B-29-4, 221-B-TK-29-4, B Plant Radioactive Organic Waste Storage Tank #7, 221-B TK-29-4	Active	RL-TP01	RL-ER02	RL-ER02
221-B-30-3, 221-B-TK-30-3, B Plant Radioactive Organic Waste Solvent Tank #6, 221-B TK-30-3	Active	RL-TP01	RL-ER02	RL-ER02
221-B-WS-1, B Plant Storage	Active	RL-TP01	RL-ER02	RL-ER02
221-B-WS-2, B Plant Waste Piles	Active	RL-TP01	RL-ER02	RL-ER02
226-B HWSA, 226-B Hazardous Waste Storage Area	Active	RL-TP01	RL-ER02	RL-ER02
B PLANT FILTER, B Plant Filter, 221-B-TK-34-2 Decant Filter, Filter F-34-4	Active	RL-TP01	RL-ER02	RL-ER02
242-B, 242-B Evaporator	Active	RL-TP01	RL-ER02	RL-ER02
207-B, B Plant Retention Basin, 207-B Retention Basin	Active	RL-TP01	RL-ER02	RL-ER02
216-A-42, 207-AA Retention Basin, 216-A-42 Trench, 216-A-42 Retention Basin, 207-A Retention Basin	Active	RL-TP01	RL-ER02	RL-ER02
216-B-59, 216-B-58 Trench, 216-B-58 Ditch	Active	RL-TP03	RL-ER02	RL-ER02
216-B-59B, 216-B-59 Retention Basin	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-E-32, UN-200-E-32, Coil Leak from 221-B	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-66, 216-A-42 Basin Contamination Release, UN-216-E-66, UN-200-E-66	Active	RL-TP03	RL-ER02	RL-ER02
200-W-58, Z-Plant Diversion Box #1	Active	RL-TP05	RL-ER02	RL-ER02
200-W-59, Z-Plant Diversion Box #2	Active	RL-TP05	RL-ER02	RL-ER02
241-Z, 241-Z Treatment and Storage Tanks, 241-Z Tank Farm, 241-Z Treatment and Storage System, 241-Z-D-4, 241-Z-D-5, 241-Z-D-7, 241-Z-D-8, 241-Z Sump, 241-Z Tank Pit	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-E-1, Waste Line Failure on South Side of 221-B	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-117, Contaminated Liquid Spill, UN-200-E-117	Active	RL-TP01	RL-TW03	RL-ER02
UPR-200-E-3, Line leak from 221-B to 241-BX-154, UN-200-E-3	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-41, UN-200-E-41 Soil Contamination in the Vicinity of R-13 Stairwell (221-B), UPR-200-E-85	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-44, UN-200-E-44, Waste Line Leak South of 221-B	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-45, UN-200-E-45, Contamination Spread from the 241-B-154 Diversion Box	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-80, UN-216-E-8, 221-B R-3 Line Break, R-3 Radiation Zone, UN-200-E-80	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-85, Line Leak at 221-B Stairwell R-13, UN-216-E-13, UPR-200-E-41, UN-200-E-85, UN-200-E-41	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-96, Ground Contamination SE of PUREX, UN-216-E-24, UN-200-E-96	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-W-79, Contamination Spread at 241-Z, UN-200-W-79	Active	RL-TP05	RL-ER02	RL-ER02
216-A-15, Miscellaneous Stream #461	Active	RL-TP03	RL-ER02	RL-ER02
216-A-11 French Drain, Miscellaneous Stream #465	Active	RL-TP03	RL-ER02	RL-ER02
216-A-12, Miscellaneous Stream #463	Active	RL-TP03	RL-ER02	RL-ER02
216-A-13, 216-A-13 French Drain, Miscellaneous Stream #460	Active	RL-TP03	RL-ER02	RL-ER02
216-A-14, French Drain - Vacuum Cleaner Filter Pit, Miscellaneous Stream #462	Active	RL-TP03	RL-ER02	RL-ER02
216-A-21	Active	RL-TP03	RL-ER02	RL-ER02
216-A-22, 216-A-22 French Drain, 216-A-22 Crib	Active	RL-TP03	RL-ER02	RL-ER02
216-A-26, 216-A-26 French Drain, 216-A-26B, Miscellaneous Stream #464	Active	RL-TP03	RL-ER02	RL-ER02
216-A-26A, 216-A-25 Crib, 216-A-26 French Drain, 291-A French Drain	Active	RL-TP03	RL-ER02	RL-ER02
216-A-32	Active	RL-TP03	RL-ER02	RL-ER02
216-A-33, 216-A-33 Dry Well, 216-A-26B	Active	RL-TP03	RL-ER02	RL-ER02
216-A-35 French Drain, 216-A-35 Dry Well	Active	RL-TP03	RL-ER02	RL-ER02
216-A-38-1, 216-A-38	Rejected(Proposed)	RL-TP03		
216-A-4, 216-A-4 Cavern	Active	RL-TP03	RL-ER02	RL-ER02
216-A-41	Active	RL-TP01	RL-ER02	RL-ER02
216-B-13, 216-B-13 French Drain, 291-B Crib, 216-B-B, 216-B-13 Crib	Active	RL-TP03	RL-ER02	RL-ER02
216-B-4, 216-B-4 French Drain, 216-B-4 Dry Well	Active	RL-TP01	RL-ER02	RL-ER02
216-B-61, 216-B-61 Crib	Rejected(Proposed)	RL-TP01	RL-TP10	
216-Z-13, 234-5 Dry Well #1, 216-Z-13 Dry Well	Active	RL-TP05	RL-ER02	RL-ER02
216-Z-14, 234-5 Dry Well #2, 216-Z-14 Dry Well	Active	RL-TP05	RL-ER02	RL-ER02

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
216-Z-15, 234-5 Dry Well #3, 216-Z-15 Dry Well	Active	RL-TP05	RL-ER02	RL-ER02
200-E-33, PUREX 214-A 90-Day Waste Accumulation Areas	Active	RL-TP03		
200-E-34, PUREX High Level Waste Room 90-Day Waste Accumulation Area	Active	RL-TP03		
200-E-39, PUREX Room 52, Hood 32 90-Day Waste Accumulation Area	Active	RL-TP03		
200-E-40, PUREX Sample Gallery 90--Day Waste Accumulation Area	Active	RL-TP03		
200-E-42, UN-216-E-34, PUREX Stack Release	Active	RL-TP03		
200-E-44, PUREX Railroad Cut	Active	RL-TP03	RL-TP10	RL-ER02
200-E-54, Liquid Release to the Environment from PUREX Deep Filter Bed #1	Active	RL-TP03	RL-ER02	RL-ER02
202-A HWSA, 202-A Hazardous Waste Storage Area	Active	RL-TP03	RL-ER02	RL-ER02
202-A NU, 202-A Neutralization Unit, Elementary Neutralization Unit/202-A Building, PUREX	Active	RL-TP03	RL-ER02	RL-ER02
202-A-E-F11, 202-A-TK-E-F11, PUREX Tank E-F11	Active	RL-TP03	RL-ER02	RL-ER02
202-A-E5, 202-A-TK-E5, PUREX Tank E5	Active	RL-TP03	RL-ER02	RL-ER02
202-A-F15, 202-A-TK-F15, PUREX Tank F-15	Active	RL-TP03	RL-ER02	RL-ER02
202-A-F16, 202-A-TK-F16, PUREX Tank F16	Active	RL-TP03	RL-ER02	RL-ER02
202-A-F18, 202-A-TK-F18, PUREX Tank F18	Active	RL-TP03	RL-ER02	RL-ER02
202-A-G7, 202-A-TK-G7, PUREX Tank G7	Active	RL-TP03	RL-ER02	RL-ER02
202-A-U3, 202-A-TK-U3, PUREX Tank U3	Active	RL-TP03	RL-ER02	RL-ER02
202-A-U4, 202-A-TK-U4, PUREX Tank U4	Active	RL-TP03	RL-ER02	RL-ER02
202-A-WS-1, PUREX Waste Piles	Active	RL-TP03	RL-ER02	RL-ER02
211-A NU, 211-A Neutralization Unit, Elementary Neutralization Unit/211-A Building, PUREX	Active	RL-TP03	RL-ER02	RL-ER02
218-E-14, PUREX Tunnel No. 1	Active	RL-TP03	RL-TP10	RL-ER02
218-E-15, PUREX Tunnel No. 2	Active	RL-TP03	RL-ER02	RL-ER02
216-Z-9, 216-Z-9 Cavern, 234-5 Recuplex Cavern, 216-Z-10, 216-Z-9 Crib, 216-Z-9 Trench	Active	RL-TP05	RL-ER02	RL-ER02
241-Z-361, 241-Z-361 Settling Tank	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-103, 216-Z-18 Line Break, UN-216-W-13, UN-200-W-103	Active	RL-TP05	RL-ER02	RL-ER02
216-A-28, 216-A-28 French Drain, 216-A-28 Crib	Active	RL-TP03	RL-ER02	RL-ER02
216-A-36A, 216-A-36 Crib	Active	RL-TP03	RL-ER02	RL-ER02
216-A-5, 216-A-5 Cavern	Active	RL-TP03	RL-ER02	RL-ER02
216-B-60, 216-B-60 Crib	Active	RL-TP01	RL-ER02	RL-ER02
270-E-1, 270--E CNT, 270-E Condensate Neutralization Tank, 216-ER-1	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-39, Release from 216-A-36B Crib Sampler, UN-200-E-39	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-E-40, Release from the 216-A-36B Crib Sampler, UN-200-E-40	Active	RL-TP03	RL-ER02	RL-ER02
216-A-2, 216-A-2 Cavern	Active	RL-TP03	RL-ER02	RL-ER02
216-A-31	Active	RL-TP03	RL-ER02	RL-ER02
216-A-45, 216-A-45 Crib	Active	RL-TP03	RL-ER02	RL-ER02
207-Z, 207-Z Retention Basin, 241-Z Retention Basin, 241-Z-RB	Active	RL-TP05	RL-ER02	RL-ER02
216-B-64, 216-B-64 Retention Basin, 216-B-64 Trench, 216-B-64 Crib	Active	RL-TP01	RL-ER02	RL-ER02
200-E-6, Septic Tank, Sanitary Sewer Repair and Replacement 2607-E4	Active	RL-TP01	RL-ER02	RL-ER02
2607-E3	Active	RL-TP01	RL-ER02	RL-ER02
2607-E4	Active	RL-TP01	RL-ER02	RL-ER02
2607-E9	Active	RL-TP01	RL-ER02	RL-ER02
2607-EA, 2607-EA Septic Tank and Drywell	Active	RL-TP03	RL-ER02	RL-ER02
2607-EE, 2607-EL	Active	RL-TP03	RL-ER02	RL-ER02
2607-W8	Active	RL-TP03	RL-TP10	RL-ER02
2607-WA	Active	RL-TP05	RL-ER02	RL-ER02
2607-Z	Active	RL-TP05	RL-ER02	RL-ER02
2607-Z1, Septic Tank and Drainfield	Active	RL-TP05	RL-ER02	RL-ER02
2607-Z8	Active	RL-TP05	RL-ER02	RL-ER02
TFS OF 218-E-4, Tile Field South of 218-E-4	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-35, Buried Contamianted Pipe, UN-218-E-1, 218-E-13	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-95, UN-216-E-23, UN-200-E-95, Ground Contamination Around RR Spur Between 218-E-2A and 218-E-2	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-7, UN-200-E-7, Cave-In Near 219-B-9 (241-B-361 Crib)	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-103, UN-200-E-103, BCS Line Leak South of R-17 at 221-B	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-112, UN-200-E-112, Contaminated Railroad Track from B-Plant to the Burial Ground	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-142, 202-A Diesel Fuel Spill, UN-200-E-142	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-E-2, UN-200-E-2, Spotty Contamination Around the B and T Plant Stacks	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-28, Contamination Release Inside the PUREX Exclusion Area, UN-200-E-28	Active	RL-TP03	RL-ER02	RL-ER02

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-E-52, UN-200-E-52, Contamination Spread Outside the North Side of 221-B	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-54, UN-200-E-54, Contamination Outside 225-B Doorway	Active	RL-TP01	RL-TP02	RL-ER02
UPR-200-E-55, UN-200-E-55, Contamination Spread South of B Plant	Active	RL-TP01	RL-TP02	RL-ER02
UPR-200-E-69, UN-216-E-69, Railroad Car Flush Water Radioactive Spill, UN-200-E-69	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-90, UN-216-E-18, Ground Contamination around B Plant Sand Filter, UN-216-E-90, Radioactive Spill Near 221-B Building, UN-200-E-90	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-97, PUREX Railroad Tunnel Contamination, UN-216-E-25, UN-200-E-97	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-W-159, Caustic Spill at Plutonium Finishing Plant, UN-200-W-159	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-23, Waste Box Fire at 234-5Z, UN-200-W-23	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-74, Overground Line Leak at 241-Z, UN-200-W-74	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-75, Contamination Spread at 241-Z, UN-200-W-75	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-90, Radioactive Contamination South of 236-Z Building, UN-216-N-90, UN-200-W-90	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-91, Radioactive Contamination near 234-5Z Building, UN-216-W-91, UN-200-W-91	Active	RL-TP05	RL-ER02	RL-ER02
234-5Z HWSA, 234-5Z Hazardous Waste Storage Area	Active	RL-TP05	RL-ER02	RL-ER02
2607-WB, 2607-WB Septic System	Active	RL-TP05	RL-ER02	RL-ER02
PFP	Active		RL-ER05 RL-TP05	RL-ER06 RL-ER07 RL-TP05
S600 Soil Site Operable Units	Active		RL-ER03 RL-ER05	RL-ER03 RL-ER07
300 SE, 300 Area Solvent Evaporator, Solvent Evaporator, 300 ASE	Closed Out	RL-TP04		
300-109, 333 Building Stormwater Runoff, Miscellaneous Stream #455	Active	RL-TP04	RL-TP04	RL-ER03
300-110, 333 Building Stormwater Runoff, Miscellaneous Stream #456	Active	RL-TP04	RL-TP04	RL-ER03
300-131, 3706 Fire Sprinkler System Water, Miscellaneous Stream #515	Rejected	RL-TP04		
300-132, 3706 Building Steam Condensate, Miscellaneous Stream #368	Rejected	RL-TP04		
300-133, 3706 Building Steam Condensate, Miscellaneous Stream #367, Injection Well #27	Rejected	RL-TP04		
300-134, 3706 Building Steam Condensate, Miscellaneous Stream #362	Rejected	RL-TP04		
300-135, 3706 Building Steam Condensate, Miscellaneous Stream #365	Rejected	RL-TP04		
300-136, 3706 Building Steam Condensate, Miscellaneous Stream #366	Rejected	RL-TP04		
300-137, 3706 Building Steam Condensate, Miscellaneous Stream #440	Rejected	RL-TP04		
300-138, 3706 Building Steam Condensate, Miscellaneous Stream #360	Rejected	RL-TP04		
300-139, 3706 Building Steam Condensate, Miscellaneous Stream #357	Rejected	RL-TP04		
300-140, 3706 Building Steam Condensate, Miscellaneous Stream #356	Rejected	RL-TP04		
300-141, 3706 Building Steam Condensate, Miscellaneous Stream #439, Injection Well #29	Rejected	RL-TP04		
300-142, 3706 Building Steam Condensate, Miscellaneous Stream #369, Injection Well #30	Rejected	RL-TP04		
300-143, 3706 Building Steam Condensate, Miscellaneous Stream #361	Rejected	RL-TP04		
300-144, 3706 Building Steam Condensate, Miscellaneous Stream #358	Rejected	RL-TP04		
300-145, 3706 Building Steam Condensate, Miscellaneous Stream #438, Injection Well #25	Rejected	RL-TP04		
300-146, 3706 Building Stormwater Runoff, Miscellaneous Stream #364	Rejected	RL-TP04		
300-147, 3706 Building Stormwater Runoff, Miscellaneous Stream #363	Rejected	RL-TP04		
300-148, 3706 Building Stormwater Runoff, Miscellaneous Stream #359, Injection Well #22	Rejected	RL-TP04		
300-149, 3706A Building Steam Condensate, Miscellaneous Stream #432, Injection Well #28	Rejected	RL-TP04		
300-16, Solid Waste Near 314 Building, Utility Pole Replacements	Active	RL-TP04	RL-ER03	RL-ER03
300-169, 3712 Building Steam Condensate, Miscellaneous Stream #351	Rejected	RL-TP04		
300-170, 3712 Building Steam Condensate, Miscellaneous Stream #437	Rejected	RL-TP04		
300-2, Contaminated Light Water Disposal	Active	RL-TP04	RL-ER03	RL-ER03
300-21, 333 Building Underground Limestone Tank	Rejected		RL-TP04	
300-219, 300 Area Waste Acid Transfer Line	Active	RL-TP04	RL-ER03	RL-ER03
300-22, 309 Building B-Cell Cleanout Leak	Active	RL-TP04	RL-ER03	RL-ER03
300-224, WATS and U-Bearing Piping Trench	Active	RL-TP04	RL-ER03	RL-ER03
300-23, PRTR Diesel Storage Tank, 309-1 UST	Closed Out	RL-TP04		
300-25, 324 Building	Active	RL-TP08	RL-TP08	RL-ER03
300-251, Unplanned Release Outside the 303-K Building	Active	RL-TP04	RL-ER03	RL-ER03
300-27, Soil Contamination at 329 Biophysics Laboratory	Rejected	RL-TP04		RL-ER03
300-28, Solid Waste Site Near 303-G Building	Active	RL-TP04	RL-ER03	RL-ER03

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
300-32, 333 Building, 333 N Fuels Manufacturing Building, New Fuel Cladding Facility	Active	RL-TP04	RL-ER03	RL-ER03
300-35, 3706A Fuel Storage Tank	Closed Out	RL-TP04		
300-39, 309 Building Ex-vessel Irradiated Fuel Storage Basin, 309 Building Irradiated Fuel Storage Basin, 309 Fuel Storage Basin	Active	RL-TP04	RL-ER03	RL-ER03
300-41, 306E Neutralization Tank, Underground Lime Tank and Valve Pit	Active	RL-TP04	RL-ER03	RL-ER03
300-42, 306E Fabrication and Testing Laboratory	Rejected		RL-TP14	RL-ER03
300-43, Unplanned Release Outside the 304 Building	Active	RL-TP04	RL-ER03	RL-ER03
300-46, Soil Contamination Surrounding 3706 Building	Active	RL-TP04	RL-ER03	RL-ER03
300-47, Residual Hazardous Substances Northwest of 3708 Building	Rejected		RL-TP14	
300-48, Thorium Oxide and Fuel Fabrication Chemical Wastes Around 3732 Building	Active	RL-TP04	RL-ER03	RL-ER03
300-53, Unplanned Release East Side of 303-G	Closed Out	RL-TP04		RL-ER03
300-55, 309 Rupture Loop Holding Tank, Rupture Loop Hold-up Tank, RLT-2, 307-D	Rejected	RL-TP04		
300-57, 335 Building 90-Day Waste Accumulation Area	Closed Out	RL-TP04	RL-TP04	
300-60, 303A Building Steam Condensate, Miscellaneous Stream #339, F.D. #26	Rejected	RL-TP04		
300-61, 303B Building Steam Condensate, Miscellaneous Stream #444, Injection Well #12	Rejected	RL-TP04		
300-64, 303F Building Steam Condensate, Miscellaneous Stream #352	Rejected	RL-TP04		
300-75, 309 Building Stormwater Runoff and Chiller Water, Miscellaneous Stream #445, Injection Well #20	Rejected	RL-TP04		
300-78, 300 Area Main Header Steam Trap (Southwest Corner of 313 Building), Miscellaneous Stream #331	Rejected	RL-TP04		
300-79, 313 Building Stormwater Runoff, Miscellaneous Stream #457	Rejected		RL-TP04	
300-81, 321 Building Steam Condensate, Miscellaneous Stream #370	Rejected	RL-TP04		
300-82, 321 Building Steam Condensate, Miscellaneous Stream #371	Rejected	RL-TP04		
300-83, 321 Building Steam Condensate, Miscellaneous Stream #372	Rejected	RL-TP04		
300-84, 321 Building Vent Valve on Water Line, Miscellaneous Stream #348	Rejected	RL-TP04		
300-92, 321 Building Stormwater Runoff, Miscellaneous Stream #680	Rejected	RL-TP04		
300-93, 324 Building Stormwater Runoff, Miscellaneous Stream #354	Rejected		RL-TP08	
300-94, 324 Building Stormwater Runoff, Miscellaneous Stream #711, 300-234	Rejected		RL-TP08	
300-95, 324/336 Buildings Stormwater Runoff and Steam Condensate; Miscellaneous Stream #425	Rejected	RL-TP04		
303-K CWS, 303-K Contaminated Waste Storage	Active	RL-TP04	RL-ER03	RL-ER03
303-M SA, 303-M Storage Area, 303-M Building Storage Area	Active	RL-TP04	RL-ER03	RL-ER03
303-M UOF, 303-M Uranium Oxide Facility	Active	RL-TP04	RL-ER03	RL-ER03
304 CF, 304 Concretion Facility	Closed Out	RL-TP04		
304 SA, 304 Storage Area, 304 Building Storage Area	Closed Out	RL-TP04		
309-TW-1, 309-TW Tank #1, 309 Holdup Tanks	Active	RL-TP04	RL-ER03	RL-ER03
309-TW-2, 309-TW Tank #2, 309 Holdup Tanks	Active	RL-TP04	RL-ER03	RL-ER03
309-TW-3, 309-TW Tank #3, 309 Holdup Tank	Active	RL-TP04	RL-ER03	RL-ER03
309-WS-1, 309 Plutonium Recycle Test Reactor Ion Exchanger Vault, Reactor Ion Exchange Pit, PRTR Ion Exchange Vault	Active	RL-TP04	RL-ER03	RL-ER03
309-WS-2, Rupture Loop Ion Exchange Pit, Ion Exchange Vault, Rupture Loop Annex Ion Exchange Loop Vault, RLAIX	Active	RL-TP04	RL-ER03	RL-ER03
309-WS-3, 309 Brine Tank	Active	RL-TP04	RL-ER03	RL-ER03
311 MT1, 311 Methanol Tank 1, 311 Tank Farm Underground Methanol Tank #1, 311-1	Closed Out	RL-TP04		
311 MT2, 311 Methanol Tank 2, 311 Tank Farm Underground Methanol Tank #2, 311-2	Closed Out	RL-TP04		
311-TK-40, 311 Neutralized Waste Tank 1	Active	RL-TP04	RL-ER03	RL-ER03
311-TK-50, 311 Neutralized Waste Tank 2, 311 Neutralization Tank #2	Active	RL-TP04	RL-ER03	RL-ER03
313 CENTRIFUGE, 313 Centrifuge, 300 Area WATS	Active	RL-TP04	RL-ER03	RL-ER03
313 ESSP, 313 East Side Storage Pad, 313 Building East Site Storage Pad	Active	RL-TP04	RL-TP04	RL-ER03
313 FP, 313 Filter Press, 300 Area Waste Acid Treatment System	Active	RL-TP04	RL-ER03	RL-ER03
313-TK-2, 313 Waste Acid Neutralization Tank, 300 Area Waste Acid Treatment System	Active	RL-TP04	RL-ER03	RL-ER03
323 Tank 1, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03
323 Tank 2, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03
323 Tank 3, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03
323 Tank 4, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03

TABLE 4-41 Facility Stabilization Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
333 ESHWSA, 333 East Side HWSA, 333 Building East Side Hazardous Waste Storage Area	Active		RL-TP04	RL-ER03
333 WSTF, 333 West Side Tank Farm, 333 West Side Waste Oil Tank, 333 West Side Uranium Bearing Acid Tanks, 333 WSWOT	Active	RL-TP04	RL-ER03	RL-ER03
333-TK-11, 333 West Side Storage Tank for Uranium Bearing Acid, 333 Chromium Treatment Tank 2	Active	RL-TP04	RL-ER03	RL-ER03
333-TK-7, 333 West Side Storage Tank for Uranium Bearing Acid, 333 Chromium Treatment Tank 1	Active	RL-TP04	RL-ER03	RL-ER03
334 TFWAST, 334 Tank Farm Waste Acid Storage Tank, Tank 4	Active	RL-TP04	RL-ER03	RL-ER03
334-A-TK-B, 334-A Waste Acid Storage Tank 1	Active	RL-TP04	RL-ER03	RL-ER03
334-A-TK-C, 334-A Waste Acid Storage Tank 2	Active	RL-TP04	RL-ER03	RL-ER03
335 & 336 RSDF, 335 & 336 Retired Sanitary Drain Field	Rejected	RL-TP04		RL-ER03
3712 USSA, 3712 Uranium Scrap Storage Area, 3712 Building Uranium Scrap Storage Area, 3712 Fuels Warehouse	Active	RL-TP04	RL-TP04	RL-TP04
3718-F BS, 3718-F Burn Shed	Closed Out	RL-TP04	RL-TP04	RL-ER03
3718-F SF, 3718-F Storage Facility, 3718-F Alkali Metal Treatment Facility	Closed Out	RL-TP04	RL-TP04	RL-ER03
3718-F TT1, 3718-F Treatment Tank 1	Closed Out	RL-TP04	RL-TP04	RL-ER03
3718-F TT2, 3718-F Treatment Tank 2	Closed Out	RL-TP04	RL-TP04	RL-ER03
618-1, Solid Waste Burial Ground No. 1, 318-1	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-13, UN-300-13, Acid Neutralization Tank Leak East of 333 Building	Rejected	RL-TP04		RL-ER03
UPR-300-14, UN-300-14, Acid Leak at 334 Tank Farm	Rejected	RL-TP04		RL-ER03
UPR-300-17, UN-300-17	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-18, UN-300-18	Rejected		RL-TP04	RL-ER03
UPR-300-31, UN-300-31	Rejected		RL-TP04	RL-ER03
UPR-300-38, Soil Contamination Beneath the 313 Building	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-39, UN-300-39	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-4, UN-300-4	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-40, Acid Release at the 303-F Pipe Trench, UN-300-40, UPR-300-31, UN-300-31	Active	RL-TP04	RL-TP04	RL-ER03
UPR-300-44, 313 Building, Uranium Bearing Waste Etch-Acid Spill, UN-300-44	Rejected	RL-TP04		RL-ER03
UPR-300-45, 303-F Building Uranium-Bearing Acid Spill, UN-300-45	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-46, Contamination North of 333 Building	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-5, UN-300-5, Spill at 309 Storage Basin	Active	RL-TP04	RL-ER03	RL-ER03

The 'Rejected' and 'Completed' waste sites are part of the Project Hanford Management Contract (PHMC), but require no additional work from the PHMC team. When they are removed from the contract via direction from the RL Contracting Officer representative, they will be removed from this specification.

* RL PBS Identifier Index:

RL-ER02 - 200 Area Source Remedial Action
RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-TP01 - B-Plant
RL-TP02 - WESF
RL-TP03 - PUREX
RL-TP04 - 300 Area/SNM
RL-TP05 - PFP
RL-TP08 - 324/327 Facility Transition
RL-TP10 - Accelerated Deactivation
RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization
RL-TW03 - Tank Farm Operations

4.2.4.e Performance Measures

Performance measures are used to monitor both mission and corporate management. In this

document, our focus is on mission management. There are two types of mission-focused performance measures. First, there are performance measures that monitor the progress made on activities that must be completed to enable a key step in waste/material cleanup to occur. For the Facility Stabilization mission, these activities may involve the deactivation of facilities, decoupling active and inactive facilities, repair and upgrade of waste storage facilities and systems, and development of waste treatment/storage/transfer plans.

Second, there are performance measures that track the progress made in the processing of wastes, other materials, and facilities. These "process" measures monitor changes in waste/material/facility form, storage/containment method, and location. These measures are important because they are directly linked to two key Success Indicators - the reduction in the level of active management required for the inventory and the reduction in the hazard posed by the waste/material. Process measures will monitor the waste/material/facility during each major processing step as it transitions from its initial configuration to the configuration described by the appropriate endpoint target. Endpoint targets for the Facility Stabilization mission are presented in the Hanford Strategic Plan and are included in the *Facility Life-Cycle Requirements Section* for each project that comprises this mission.

4.2.4.1 B-Plant

4.2.4.1.1 Project Description Summary

This project completed the orderly transitioning of B Plant into a safe and stable configuration suitable for long term surveillance pending final decommissioning. This included the deactivation of the 800 foot long B Plant canyon building and adjoining support facilities to an environmentally secure and stable state. Deactivation of B Plant was completed in fiscal year 1998. Remaining work items were completion of the Punch List of activities identified during deactivation for post deactivation, assembly of facility status documentation, and updating safety basis documentation to reflect the deactivated state. Turnover to the ER Program was accomplished in fiscal year 1999.

4.2.4.1.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.2.4.1.3 Facility Life-Cycle Requirements

- Requirements
    - None
- Planning Assumptions
    - None

4.2.4.1.4 Project Safety Authorization Basis/NEPA and Permits

Deactivation activities shall be evaluated against the approved safety authorization basis to identify any potential USQs. If the activity is shown to fall within the bounds of the safety authorization basis, additional approval is not required. If the activity is not covered, the work plans must be modified to stay within the bounds of the existing safety authorization basis or the change and activity must be approved by RL before the activity may proceed. Once approved by RL, the new analysis shall become part of the approved safety basis. The existing safety basis for B Plant is contained within the following documents:

- WHC-SD-WM-ISB-008, B Plant Interim Safety Basis (Chalk 1996a)
- WHC-SD-WM-SARR-030, B Plant Interim Safety Basis Accident Analysis (Chalk 1996b)
- WHC-SD-WM-TM-004, B Plant Facility Description (Chalk 1996c)
- WHC-SD-WM-FHA-021, B Plant Fire Hazard Analysis (Sepahur 1996).

Environmental, safety, and health requirements for B Plant are contained in the S/RID for B Plant.

4.2.4.1.5 Tri-Party Agreement Requirements

- None

4.2.4.1.6 Interfaces

4.2.4.1.7 Requirements References

- DOE/RL-96-92, Hanford Strategic Plan"

4.2.4.2 WESF

4.2.4.2.1 Project Description Summary

The Waste Encapsulation and Storage Facility (WESF) project mission is assuring the safe storage of approximately 147 million curies of encapsulated radioactive material. As part of accomplishing this mission, old systems and structures must be updated to be capable of functioning safely for the next 18 years. Primary upgrades are planned in the next few years in the areas of response to a potential capsule leak, pool cell monitoring capabilities, and capsule monitoring equipment. Safety analyses are also being upgraded with preparation of a new safety analysis report with accompanying operational safety requirements. These upgrades are necessary to maintain the capsules in a safe storage condition until transfer out for ultimate disposal. Final capsule removal is planned for 2017. After capsule removal the facility will be deactivated and turned over to the ER Program.

4.2.4.2.2 Life-Cycle Material and Waste Flow

Table 4-42 WESF Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
WESF	CH LLMW I	2000 - 2021	14.1	cubic meters
	CH LLW I	2000 - 2021	991.0	cubic meters
	HAZ	2000 - 2021	14.1	cubic meters
	HLW	2000 - 2018	723.0	cubic meters
	RH LLMW III	2017 - 2021	6.42	cubic meters
	RH LLW GTCIII	2017 - 2021	6.42	cubic meters
	RH LLW III	2017 - 2021	25.6	cubic meters
	Sanitary Liquid Waste	2000 - 2019	20.0	Mgal
	Treated Liquid Effluent	2000 - 2019	621000	cubic meters

4.2.4.2.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

- Requirements

  - Facilities discharging to the 200 Area TEDF shall implement Best Available Technology (BAT)/All Known, Available, and Reasonable Treatment (AKART). The generator shall provide the information required by WAC 173-240, Submission of Plans and Reports for Construction of Waste Water Facilities.
  - Central Plateau gaseous effluent releases shall be monitored
  - Cesium capsules shall be safely stored in WESF.
  - Strontium capsules shall be safely stored in WESF.

- Planning Assumptions

  - Central Plateau high cost surplus facilities shall be transitioned to a low cost, stable, deactivated condition
  - Central Plateau facilities shall be maintained within the approved safety envelope
  - WESF shall be maintained within the approved safety envelope.
  - The contents of the cesium capsules shall be blended with HLW feed, treated and dispositioned as immobilized HLW.
  - The contents of the strontium capsules shall be blended with HLW feed, treated and dispositioned as immobilized HLW.

4.2.4.2.4 Project Safety Authorization Basis/NEPA and Permits

The safety authorization basis for WESF is contained in WHC-SD-WM-SAR-005 (Covey 1997).

The Basis for Interim Operations (BIO) is contained in HNF-SD-WM-BIO-002 rev.1 (April 1998)

The WESF operations, safety, and maintenance activities shall be managed in accordance with FSP-WESF-5-6, Waste Encapsulation and Storage Facility (WESF) Administration Manual (FDH 1997a).

4.2.4.2.5 Tri-Party Agreement Requirements

- TPA.M.17.0.B Complete implementation of "Best Available Technology/All Known, Available, and Reasonable Methods of Prevention, Control, and Treatment (BAT/AKART) for all phase II liquid effluent streams at the Hanford Site. [Due Date: 1/31/98.]

4.2.4.2.6 Interfaces

TABLE 4-43 WESF Interfaces

Project Title	Project Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives WESF Hazardous Waste from Operations Receives WESF Hazardous Waste from Transition
Tank Farm Operations	RL-TW03	Receives WESF-Misc. HLW
Privatization Phase II	RL-TW07	Receives WESF Cesium Capsules Receives WESF Strontium Capsules
Solid Waste Storage & Disposal	RL-WM03	Receives WESF, CH LLMW I Receives WESF, CH LLW I Receives WESF, RH LLMW III Receives WESF, RH-LLW-GTCIII Receives WESF, RH-LLW-III
Liquid Effluents	RL-WM05	Receives WESF Cooling Water and Liquid Effluent
Analytical Services	RL-WM06	Provides Analytical Laboratory Samples from WESF
Surveillance & Maintenance	RL-ER05	Receives Deactivated Waste Encapsulation and Storage Facility

4.2.4.2.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- ST 4502, State Waste Discharge Permit for the 200 Area TEDF"

4.2.4.3 PUREX

4.2.4.3.1 Project Description Summary

This program element included the transition of the PUREX Plant and the necessary S&M throughout transition. The goal of the transition project is to achieve safe and environmentally secure facilities. Responsibility for PUREX surveillance was assumed by D&D Long-Term

Surveillance and Maintenance (RL-ER08), with the exception of Storage Tunnel #2, which is covered under the Accelerated Deactivation Project (RL-TP10).

4.2.4.3.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.2.4.3.3 Facility Life-Cycle Requirements

- Requirements
  - None
- Planning Assumptions
  - None

4.2.4.3.4 Project Safety Authorization Basis/NEPA and Permits

4.2.4.3.5 Tri-Party Agreement Requirements

- TPA.M.80.0 Complete PUREX and UO3 Plant facility transition phase and initiate the surveillance and maintenance phase. [Due Date: 7/31/1998]

4.2.4.3.6 Interfaces

4.2.4.3.7 Requirements References

- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- ST 4502, State Waste Discharge Permit for the 200 Area TEDF"

4.2.4.4 300 Area/SNM

4.2.4.4.1 Project Description Summary

The history of the 300 Area Fuel Supply Shutdown (FSS) complex began in 1943 when the 313 Building was constructed. Other buildings were added in time to support production of fuel for

the Hanford Single Pass Reactor, which began in mid-1944. Starting in 1958, the 333 Building was constructed to support fuel fabrication for the N-Reactor. Fuel fabrication activities continued until 1987 when both N Reactor and the FSS facility began a transition-to-standby status. In 1992, the FSS complex was directed to deactivate in preparation for decontamination and decommissioning (D&D). The complex contains remaining legacies of the fuel fabrication and fuel storage mission and still includes approximately 1800 metric tons (MT) of unirradiated, low enriched fuel, which is stored in six buildings managed by FSS until relocation or final disposition. The original SNM inventory generated from fuel production operations also resulted in significant contamination of buildings and equipment, and large amounts of hazardous, mixed, and low level wastes. Due to the age of the buildings, they are showing signs of structural decay. Unsafe roof conditions in the 313 Building south side represent a large safety risk.

The 300 Area / SNM sub-project's main objective is to complete deactivation/closure activities as described in the "Shutdown Plan for the 300 Area Fuel Supply Facilities," (WHC-SD-FL-SSP-002), and the facility transfer criteria while maintaining the complex in a safe, regulatory-compliant state until turnover to Environmental Restoration (ER) Program is completed. Deactivation of the Fuel Supply complex will decrease human and environmental risk by stabilizing the buildings to levels of contamination consistent with its intended long term surveillance and eventual demolition status. Current planning is to sell the FSS inventory of SNM to a commercial uranium processing company. Any inventory of SNM remaining after the sale/offsite transfer will be declared waste and packaged for disposal. Sale/offsite transfer and burial of the remaining inventory of Special Nuclear Materials (SNM) will reduce risk of any possible contamination to the site, nearby river, and City of Richland.

The project is subdivided into five major objectives:
1. Maintain facilities in a regulatory-compliant state until turnover to the ER Program is completed. This includes the surveillance and storage of the remaining ~1800 MT of SNM until sale/offsite transfer and burial of remaining material in the 200 Area has been completed.
2. Complete the isolation or demolition of the 313 South Building to reduce the safety risks of an unsafe roof.
3. Complete closure of two remaining Resource Conservation and Recovery Act (RCRA) permitted Treatment, Storage, and Disposal (TSD) systems.
4. Complete deactivation/stabilization activities as described in the "Shutdown Plan for the 300 Area Fuel Supply Facilities." This includes stabilization of all facility buildings and deactivation of building systems to meet the predetermined endpoint criteria established with ER.
5. Complete disposition of remaining low enriched SNM. Removal of this material will allow final facility shutdown. This scope is managed by PBS RL-TP12, Transition Project Management. Funds for burial preparation of unsold special nuclear materials (SNM) is provided in TP04. However, efforts pursued by TP12, manager of SNM disposition, may provide alternate funding for disposition of subject material.

Project completion will be established by facility turnover to the ER Program for decontamination and decommissioning.

4.2.4.4.2 Life-Cycle Material and Waste Flow

Table 4-44 300 Area/SNM Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
300 Area Fuel Supply System	CH LLW I	2001 - 2001	0.0	cubic meters

Table 4-44 300 Area/SNM Waste/Material Flow (Out) (Continued)

Major Facility	Category	Period	Value	Units
	Depleted Uranium (DU)	2001 - 2001	2600	kilograms
	Low Enriched Uranium (LEU)	2001 - 2001	1780000	kilograms
	Natural Uranium (NU)	2001 - 2001	75600	kilograms

4.2.4.4.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

- Requirements

  - The Contractor shall safely and efficiently manage the deactivation of facilities in the 300 Area whose mission was the manufacture of fuels and test assemblies for the plutonium production, space power, and advanced reactor programs. The facilities include, among others, the 333 Building and associated facilities. The program will disposition nuclear material stored in these facilities. As the material is removed, each facility will be deactivated to reduce risk and attain the lowest surveillance and maintenance cost to a condition ready for disposition.

- Planning Assumptions

  - High cost surplus facilities and systems shall be transitioned to a low cost, stable, deactivated condition.
  - Facilities and systems shall be made available for other uses.
  - Facilities shall be transitioned to the surveillance and maintenance phase when no longer required to support the site mission.
  - 300 Area / SNM Project facilities shall be transitioned to the surveillance and maintenance phase.
  - 300 Area / SNM Project non-transferable special nuclear materials shall be buried in the 200 Area.
  - Unirradiated uranium shall be dispositioned offsite or disposed onsite as low level waste.
  - 300 Area facilities shall be surveilled and maintained within the approved safety envelope.
  - 300 Area / SNM Project special nuclear materials contained in various buildings shall be surveilled and maintained within the approved safety envelope.

4.2.4.4.4 Project Safety Authorization Basis/NEPA and Permits

The authorization basis documents for the 300 Area / SNM sub-project are WHC-SD-NR-ISB-001 (Benecke 1996), WHC-SD-NR-TSR-001 (Besser 1995b) and WHC-SD-CP-ISB-003 (Dodd 1996).

4.2.4.4.5 Tri-Party Agreement Requirements

- TPA.MX.92.6.T.1 Complete commercial disposition and/or the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal/disposition of all Hanford Site UU. [Due Date: 12/31/2000] TPA Target Milestone MX-92-06T.
  This target date includes all UU located in 300 Area fuel supply facilities (Uranium dioxide powder and pellets stored in cans, pins, assemblies, and drums), Uranium trioxide (UO3) powder stored in T-hoppers adjacent to the U-Plant, depleted UO3 stored in 55 gallon drums in the 200 West Area and the 4713 Building.

4.2.4.4.6 Interfaces

TABLE 4-45 300 Area/SNM Interfaces

Project Title	Project Number	Interface
Offsite Sales	EXTERNAL	Receives 300/FSS Depleted Uranium Receives 300/FSS Low Enriched Uranium Receives 300/FSS Natural Uranium Receives 300/FSS Other Nuclear Materials
Solid Waste Storage & Disposal	RL-WM03	Receives FUEL TRANS, CH-LLW-I
Surveillance & Maintenance	RL-ER05	Receives Deactivated 300 Area Fuel Supply System

4.2.4.4.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.2.4.5 PFP

4.2.4.5.1 Project Description Summary

The mission of the Plutonium Finishing Plant (PFP) Stabilization and Deactivation Project is to provide for the safe stabilization; interim storage; repackaging; and shipment of the PFP inventory of plutonium-bearing materials, spent nuclear fuel, and other nuclear material to other locations for reuse, long-term storage, and/or final disposition. The mission also requires deactivating and dismantling PFP Complex systems and structures to the degree determined appropriate via the NEPA process, thus eliminating significant hazards to workers, the public, and the environment, and minimizing long-term S&M risks and costs.

Stabilization of plutonium-bearing materials and deactivation/dismantlement of the PFP Complex will result in the virtual elimination of the hazards and risks associated with the facility and will greatly reduce the costs of safe, secure S&M. Using the lessons learned from

deactivation projects across the DOE Complex, further improvement on previously applied deactivation methods is anticipated.

The PFP Integrated Project Management Plan (IPMP) sets forth the plans, organization, and control systems for managing the PFP Stabilization and Deactivation Project, and includes the top level cost and schedule baselines. The IPMP integrates significant components of plutonium-bearing material stabilization activities, facility surveillance and maintenance, facility safety envelop maintenance, and facility deactivation activities with prior PFP deactivation project planning efforts. The IPMP applies an accelerated planning case, including technical alternatives and cost/schedule summaries, not currently reflected in the fiscal year 1999 Multi-Year Work Plan or in the Defense Nuclear Facilities Safety Board 94-1 Recommendation Implementation Plan. The IPMP also identifies key decisions affecting the project and provides a clear vision of the results to be obtained by the project.

The major mission objectives for the PFP Stabilization and Deactivation Project are as follows:

- Maintain inventory of plutonium-bearing material in safe and highly secure storage pending shipment offsite;

- Maintain the PFP facilities, systems, and residual radioactive and chemical contamination in a safe, compliant, and environmentally sound condition;

- Safely and cost-effectively stabilize and repackage the PFP material inventory as needed for safe, interim storage and to meet customer requirements for future reuse, long-term storage, or final disposition at other DOE sites;

- Support the DOE and the U.S. State Department in fulfilling their nuclear non-proliferation objectives;

- Ship the entire PFP material inventory to DOE-designated locations outside the PFP Complex for reuse, long-term storage, and/or final disposal;

- Deactivate, dismantle, and remove PFP process and support systems and structures as needed to achieve low risk, low cost end points for the PFP Complex;

- Further develop Hanford Site capabilities in nuclear facility decommissioning through implementation of lessons learned from prior onsite, offsite, and commercial nuclear facility deactivation projects; and

- Develop a synergistic partnership between the Facilities Transition and Environmental Restoration program teams in completing decommissioning of the PFP Complex.

4.2.4.5.2 Life-Cycle Material and Waste Flow

Table 4-46 PFP Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
PFP	Misc SNM	2002 - 2002	32.0	Items
	Spent Nuclear Fuel (SNF)	2002 - 2002	0.602	MTHM

Table 4-47 PFP Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
PFP	Asbestos	2000 - 2018	91.3	cubic meters
	CH LLMW I	2000 - 2015	63.2	cubic meters
	CH LLW I	2000 - 2016	36200	cubic meters
	CH LLW III	2000 - 2016	22.3	cubic meters
	CH TRU	2000 - 2016	4120	cubic meters
	CH TRUM	2000 - 2016	982.0	cubic meters
	HAZ	2000 - 2016	100.0	cubic meters
	Highly Enriched Uranium (HEU)	2000 - 2001	18.0	kilograms
	HLW	2000 - 2014	148.0	cubic meters
	Misc SNM	2007 - 2007	32.0	Items
	Plutonium (Pu)	2006 - 2008	4030	cans
	Sanitary Solid Waste	2000 - 2014	15100	cubic meters
	Treated Liquid Effluent	2000 - 2014	447000	cubic meters

4.2.4.5.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

- Requirements

  - Facilities discharging to the 200 Area TEDF shall implement Best Available Technology (BAT)/All Known, Available, and Reasonable Treatment (AKART). The generator shall provide the information required by WAC 173-240, Submission of Plans and Reports for Construction of Waste Water Facilities.
  - The Clean Water Act establishes water quality standards for surface water and pretreatment standards for waste waters released to public-owned treatment works. All PFP support necessary to cease all discharges to the 21 6-Z-20 crib was completed prior to June 30 1995.
  - Deactivation of PFP shall comply with DOE/EIS-0244-D
  - Various DOE Orders provide and/or implement best management practices for policy and guidance to Transition Projects. The work scope, cost, and schedule are a direct result of conforming to these various orders. DOE Conduct of Operations and maintenance activities at PFP are driven by DOE 5480.19 and 4330.4B.-
  - Acquire and operate systems and facilities to achieve stabilization and de-inventory of SNM in accordance with DNFSB Recommendation 94-1 implementation agreements as documented in HNF-3617, rev 0, "Integrated Project Management Plan for the PFP Stabilization and Deactivation Project," April 1999.
  - Transition to deactivation, deactivate and dismantle all facilities by 9/30/2016.
  - Central Plateau gaseous effluent releases shall be monitored
  - Upon completion of stabilization activities in PFP (DNFSB 94-1 implementation), the de-inventory of the stabilized SNM materials to DOE designated sites, is completed in FY08.
  - PFP plutonium shall be stabilized and either placed in vault storage until shipped offsite or disposed of properly.
  - Complete stabilization of plutonium in PFP (DNFSB 94-1 implementation) by October 2004.

- The Federal Facility Compliance Act establishes the framework for DOE to enter into Federal Facility Compliance Agreements with the individual states to address environmental issues.

  Provide all PFP support necessary to complete compliance actions contained in the Hanford Federal Facility Compliance Agreement and Consent Order signed by the U.S. Department of Energy, the U.S. Environmental Protection Agency, and the State of Washington Department of Ecology. Provide all PFP support necessary to complete compliance actions contained in the Federal Facility Compliance Agreement for Radionuclide NESHAP signed by the U.S. Department of Energy and the State of Washington Department of Ecology.
- Plutonium Finishing Plant (PFP) Project.

  The Contractor shall manage PFP to a condition ready for process facility disposition. This includes the storage of residual special nuclear material (SNM) stored in PFP vaults, and stabilization and deactivation of the former process facility, in order to reduce risk and attain the lowest surveillance and maintenance cost. A primary stabilization activity is the conversion of SNM to a safe form suitable for packaging into 3013 containers and shipment to designated DOE sites for final disposition. The Contractor shall complete the mitigation of all the high risk plutonium vulnerability items identified in HNF-3617, rev 0, in response to Defense Nuclear Facilities Safety Board Recommendation 94-1. This involves stabilizing all the plutonium material and packaging into 3013 containers for final disposition.
- RCRA - All hazardous waste is collected, counted and identified for shipment to the Hanford Site Central Waste Storage complex
- The Comprehensive Environmental Response, Compensation, and Liability Act provides EPA with enforcement authority for remedial and corrective action activities at contaminated subproject waste sites, and is part of the regulatory authority for the Tri-Party Agreement. PFP support necessary to meet reporting requirements and complete corrective actions under CERCLA.
- The Occupational Safety and Health Act applies to any action involving the health and safety of employees in the work place. Periodic inspections are done at the PFP facilities to verify compliance with the OSHA Act. PFP activities must comply with the OSHA Act and assess any new starts/restarts of projects to the act. Continuous walk-throughs are done by the Safety Organization to ensure compliance with OSHA. PFP managers periodically review the safety and health issues to ensure compliance with OSHA-and 29-CFR-1910 guidelines Safety and Health assess level of chemicals by PFP Industrial Hygienist.
- The Clean Air Act provides policy and guidance related to release of air emissions that may be present during shutdown and cleanup activities. Prepare and submit the appropriate operating permit for entire site including PFP. 291-Z Stack Monitoring System is being readied to comply with the NESHAPS section of 40 CFR61.

- Planning Assumptions

  - Facilities in Central Plateau - 5 Complete stabilization of plutonium in PFP (DNFSB 94-1 implementation) by October 2004.
  - Central Core non-essential, surplus buildings shall be removed.
  - Central Plateau shall be used for the collection and management of nuclear materials that remain onsite.

- Central Plateau facilities shall be maintained within the approved safety envelope
- PFP shall be maintained within the approved safety envelope.

4.2.4.5.4 Project Safety Authorization Basis/NEPA and Permits

1. HNF-SD-CP-SAR-021, Revision 1, "Plutonium Finishing Plant Final Safety Analysis Report" (Approved by DOE-RL Letter 99-TPD-298, August 2, 1999, "Contract No. DE-AC06-96RL13200 - Plutonium Finishing Plant (PFP) Safety Evaluation Report (SER) Amendment")

2. WHC-SD-CP-OSR-010, Revision 0-K, "Plutonium Finishing Plant Operational Safety Requirements" (Revision 0-J was approved by DOE-RL Letter 99-TPD-284, June 24, 1999, "Contract No. DE-AC06-96RL13200 - Safety Evaluation Report for Vertical Calciner located in Room 188 of the Plutonium Finishing Plant (PFP)" Revision 0-K is released by ECN 649629. DOE-RL approval is not required for changes to Administrative Control 5.22, Tables 5.22.1 and 5.22.2.)

3. DOE/DP-0130, January 1995, "Plutonium Finishing Plant Safety Evaluation Report" (Transmitted by DOE-RL Letter 95-PFP-001, January 11, 1995, "Approval of the Final Safety Analysis Report for the Plutonium Finishing Plant); and amendments.

4. HNF-2024, Rev 2, "Justification for Continued Operation for Tank 241-Z-361," and approval letter DOE-RL 99-TPD-206, June 3, 1999, "Contract No. DE-AC06-96RL13200 - Justification for Continued Operation (JCO) for Hanford Underground Storage Tank 241-Z-361", which contains the Safety Evaluation Report for Revision 2 of this JCO.

5. Letter FDH-9755705 R3, June 9, 1999, "Contract No. DE-AC06-96RL13200 - Plutonium Finishing Plant Operating Restrictions." (Revised Operating Restrictions resulting from Tank A-109 explosion, May 14, 1997.) (Approved by DOE-RL Letter-TPD-295, September 1, 1999, "Contract No. DE-AC06-96RL13200 - Plutonium Finishing Plant Operating Restrictions.")

Environmental, safety, and health requirements for PFP are contained in HNF-SD-MP-SRID-003, Revision 1, "Plutonium Finishing Plant (PFP) Standards/Requirements Identification Document (S/RID)." (Approved by DOE-RL Letter, 99-TPD-023, December 3, 1998, "Contract No. DE-AC06-96RL13200 - Plutonium Finishing Plant (PFP) Standards/Requirements Identification Document (S/RID), HNF-SD-MP-SRID-003).

4.2.4.5.5 Tri-Party Agreement Requirements

- TPA.M.15.37.A Deliver two core samples from tank 241-Z-361 to a laboratory for analysis. [Due Date: 10/30/99]
- TPA.M.15.37.B Provide the EPA with complete data packages, including validation, for two cores collected from tank 241-Z-361. Provide to EPA a recommendation for a regulatory path forward for the disposition on the tank 241-Z-361 sludge (e.g., expedited response interim remedial action, or defer to the 200-PW-1 operable unit RI.FS process. [Due Date: 5/31/00]

4.2.4.5.6 Interfaces

TABLE 4-48 PFP Interfaces

Project Title	Project Number	Interface
Oak Ridge National Laboratory	EXTERNAL	Receives PFP Highly Enriched Uranium (to ORNL)
Offsite Landfill	EXTERNAL	Receives PFP Asbestos during Transition Receives PFP Sanitary Solid Waste
Savannah River Site	EXTERNAL	Receives PFP Plutonium to Offsite
Hazardous Waste Disposal Contracts	EXTERNAL	Receives PFP Hazardous Waste
Hanford Legacy	EXTERNAL	Provides Legacy PFP Plutonium Provides Legacy PFP Spent Nuclear Fuel
Tank Farm Operations	RL-TW03	Receives PFP Stabilization, HLW Receives PFP Transition, HLW
Solid Waste Storage & Disposal	RL-WM03	Receives PFP, CH-LLMW-I Receives PFP, CH-LLW-I Receives PFP, CH-LLW-III Receives PFP, CH-TRU Receives PFP, CH-TRUM
Liquid Effluents	RL-WM05	Receives PFP Wastewater
Analytical Services	RL-WM06	Receives Analytical Laboratory Samples from PFP
Long Term Surveillance & Maintenance	RL-ER07	Receives Safe & Compliant Deactivated Plutonium Finishing Plant

4.2.4.5.7 Requirements References

- 29 CFR 1910, Occupational Safety and Health Standards"
- 40 CFR 61, National Emissions Standards for Hazardous Air Pollutants"
- 42 USC 6901, et seq., Resource Conservation and Recovery Act of 1976 (RCRA)"
- DNFSB 94-1, Defense Nuclear Facilities Safety Board Recommendation 94-1"
- DNFSBIP94-1, Defense Nuclear Facilities Safety Board, Implementation Plan 94-1"
- DOE Order 5400.4, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Requirements"
- DOE Order 5480.19, Conduct of Operations Requirements for DOE Facilities"
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/EIS-0244-F, Plutonium Finishing Plant Stabilization Environmental Impact Statement"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- FFCA for HESHAP (2/7/94), The National Emission Standards for Hazardous Air Pollutants: Federal Facility Compliance Agreement for the Hanford Site "
- HNF-3617, Rev 0, Hanford Site Integrated Stabilization Management Plan"
- PL 92-500, Federal Water Pollution Control Act Amendments of 1972 (Clean Water Act)"
- ST 4502, State Waste Discharge Permit for the 200 Area TEDF"

4.2.4.6 Transition Project Management

4.2.4.6.1 Project Description Summary

Transition Project Management (TPM) provides centralized program, project and business management to plan, execute and control the Facility Stabilization Project (FSP). Transition Project Management provides for financial management and integration, common safeguard and security (SAS) support; centralized coordination of environmental, safety, health, radiological control and quality assurance; systems engineering (SE); new technology development and implementation support; policies and procedure development; excess facility and material planning (includes support to Hanford Surplus Facility Program 300 Area Revitalization project, Accelerated Deactivation project, etc.); FSP strategic planning; procurement and contract administration; management of Special Nuclear Materials (SNM); and operations integration support. Support for technical development of 200 Area Canyon Entombment, and Fluor Daniel Hanford, Inc. (FDH) project direction is also provided.

The primary FSP mission is to deactivate contaminated facilities on the Hanford Site; reduce risks to workers, the public and environment; transition the facilities to a low cost, long-term surveillance and maintenance state; and to provide safe and secure storage of Special Nuclear Materials, Nuclear Materials, and Nuclear Fuel (SNM/NM/NF). Facility deactivation will protect the health and safety of the public, on-site workers and the environment, and also provides for beneficial use of facilities, equipment and other resources.

As the mission for FSP has shifted from production to support of environmental restoration, each facility is making a transition to support the Site Cleanup Mission. FSP high level mission goals include: achieving deactivation of facilities and turnover of these facilities to EM-40; using Plutonium/Uranium Extraction (PUREX) and B-Plant deactivation as models for future facility deactivation; managing SNM/NM/NF in a safe and secure manner, and where appropriate, in accordance with International Atomic Energy Agency (IAEA) safeguards rules; treating SNM/NM/NF as necessary and storing these materials onsite in long-term storage awaiting final disposition decisions by the U.S. Department of Energy (DOE); implementing nuclear materials disposition directives; working in accordance with the Tri-Party Agreement (TPA), and other compliance agreements; and maintaining compliance with all applicable Federal, state and local laws.

Specific activities include:

Program, Business and Financial Management:
- Prioritize scope and budgets, and support strategic planning.
- Provide procurement and contract administration for the entire FSP.
- Provide direct financial management to all FSP Program activities.
- Provide specific managment for the Transition Project Management (TP12) account.
- Prepare budget alternatives and special analyses as requested by DOE or company management.
- Coordinate activity-based cost estimates and resource-loaded schedules.
- Maintain the FSP Program Master Baseline Schedule.
- Prepare and maintain financial documents required by the site Project Tracking System (PTS), the Hanford Site Performance Report (HSPR), and the budget planning process including Multi-Year Program Plans (MYPPs), Project Baseline Summaries (PBS), Basis of Estimate (BOE) sheets, monthly reporting and budget alternatives and analysis.

- Provide strategic planning expertise on critical issues.

Environmental Compliance, Safety, Health, Radiation Control and Quality Assurance:
- Provide central coordination of environmental activities within FSP, including selective central program oversight of the implementation of TPA, environmental protection, facility compliance, and RCRA permitting activities.
- Develop/maintain environmental management system.
- Participate in the Hanford Central Environmental Committee.
- Administer and maintain the Integrated Safety Management System (ISMS).
- Provide Waste Minimization/Pollution Prevention/Dangerous Waste reporting.
- Provide Radiation Control technical support and oversight.
- Provide integration of Radiation Control procedures.
- Interface with FDH on Radiation Control issues.
- Track and trend Radiation Control performance indicators.
- Coordinate and integrate identification and resolution of FSP Quality Assurance (QA) issues.
- Provide oversight and direction on QA issues to facility management and personnel, including oversight of the Quality Improvement Plan (QIP).
- Measure, analyze, evaluate and report on the effectiveness of the FSP QA program.
- Maintain the Occupational Safety and Health Administration (OSHA) 200 Occupational Injuries/Illnesses (OII) log.
- Determine OSHA recordability classification of OII's.
- Coordinate all accident information and interface with FDH Safety, FDH Worker's Compensation and Hanford Environment Health Foundation (HEHF).
- Provide OII case management assistance.
- Administer the Voluntary Protection Program (VPP) application, review and implementation.

Safeguards and Security:
- Provide support for nonplant-specific administration and coordination of security system engineering, security projects, education and asset protection.
- Provide maintenance and testing support and system development for the Patrol Operations Center (POC) and Alarm Monitoring Operational Support System (AMOSS).
- Maintain the SNM accountability database.
- Develop and maintain policies and procedures governing the use, control, and accountability of SNM.

Operations Integration:
- Arrange for expert in plant mentoring & Conduct of Operations (COO) champions.
- Support COO Champions Program.
- Coordinate facility COO Assessments.
- Provide outside commercial nuclear operations perspective in review of plant operations.
- Support Maintenance Champions Program.
- Coordinate Conduct of Maintenance Self-Assessment Program.
- Support facilities reengineering.
- Distribute lessons learned within FSP and provide input to site-wide lessons learned program.
- Assist in development, review and evaluation of operations Performance Indicators.
- Coordinate all FSP Cost Savings efforts, including the Requirements Based Surveillance and Maintenance (RBSM) initiative.
- Implement/Coordinate the Deferred Maintenance program.

Technical Integration:

- Support new technology development and implementation.
- Support policies and procedure development.
- Support special projects development (i.e., 200 Area Canyon Entombment, 200 Area Accelerated Deactivation, Hanford Surplus Facility Program 300 Area Revitalization project, Accelerated Deactivation project, and other excess facility planning projects).
- Support requirements management activities.
- Information and computer system expertise.
- Coordinate with the Hanford Site Technical Database (HSTD).
- Criticality Engineering coordination.
- Integrated Safety Management System (ISMS) implementation.

Systems Engineering:
- Interface with Site SE personnel to develop, under their guidance, Hanford Site specification, interface, and issue documents.
- Maintain the program SE documentation in the Hanford Site Technical Baseline (HSTB).
- Continue development of program-level alternatives, and maintain current selected plant alternatives in accordance with division strategic planning.
- Provide support for Project Baseline Summary (PBS), MYPP and other budget documentation development.
- Provide technical support for further development of the plant-level SE components to determine facility cleanup needs and the optimum cleanup strategy.
- Support development of plant and company interface agreements.
- Provide SE guidance, allowing facility work breakdown structures, resource-loaded activity schedules, and other budget documentation to be revised to ensure that FSP technical, cost, and schedule baselines reflect current SE results.
- Provide guidance and assistance in the development of SE documents for other existing contaminated facilities entering the FSP program.
- Support excess facility disposition planning.

Nuclear Materials Management:
- Continue development of Plutonium strategies and strategic analysis for Hanford.
- Coordinate SNM material receipts and shipments.
- Develop DOE Order 5660.1B reports (i.e., Inventory Assessment Report, Material Management Plan, etc.).
- Support DOE in development of Disposition Management Plans.
- Special project development (i.e. uranium disposition projects, etc.).
- Coordinate efforts to disposition all site unirradiated uranium.

Canyon Entombment:

- Continue Phase 2 characterization and treatability investigations at U Plant.
- Provide project management support for technical development of canyon disposition options.

Fluor Daniel Hanford Project Direction:

- Provide FDH Project Director’s office, to oversee all FSP operations.
- Provide overall guidance and direction to FSP, and act as liaison between DOE and FSP.
- Provide FDH Project Managers at each plant.
- Provide FDH-contracted mentors at critical facilities.

4.2.4.6.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.2.4.6.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

- Requirements
  - None
- Planning Assumptions
  - None

4.2.4.6.4 Project Safety Authorization Basis/NEPA and Permits

4.2.4.6.5 Tri-Party Agreement Requirements

- None

4.2.4.6.6 Interfaces

4.2.4.6.7 Requirements References

- None

4.2.4.7 Accelerated Deactivation

4.2.4.7.1 Project Description Summary

The purpose of this project is to deactivate all Hanford contaminated facilities outside the 300 Area that are not currently being deactivated or scheduled for deactivation under another PBS. Initially, those facilities that no longer have a current mission and those expected to no longer have a viable mission after FY 2000 will be deactivated. All other included radiologically and hazardous contaminated facilities expected to have viable missions after FY 2000 will be

deactivated upon their mission completion (which could extend 20 years or more into the future). Since facilities in this PBS are contaminated and many are beyond their intended design life , deactivation of these facilities reduces risk to the public, environment and on-site workers by removing and/or stabilizing radiological and hazardous contamination and placing these high risk facilities in a low risk "caretaker" status until they can be demolished.

There are 32 non-mobile contaminated facilities that are assumed to either currently no longer have a viable mission or are expected to no longer have viable missions after FY 2000. Four facilities were transferred into the PBS in FY 97 (222T, 222U, 231-Z and 2704C). Four more are expected in FY 98 or FY 99 (242B, 242BL, 2718 and 209E). The remaining 24 (1208, 1226, 1227, 1253, 1517N, 151B, 1720DR, 2711E, 2711EA, 2713W, 2715E, 2715EA, 2715EC, 2715ED, 2715M, 6652H, 275UR, 4722C, 6291, 212P, 748, 224T, 242S, and 242T) are expected to be transferred between FY 00 and FY 10. There are another 16 non-mobile contaminated buildings (242A, 200TEDF, 200LERF, 200ETF, RHT + Large Eqpt. facility, SW Retreival facility, WRAP 1, and 222S facilities) that have viable missions beyond FY 2010. These facilities will be transferred between FY 14 and FY 35 as their missions end.

Most of the facilities covered in this PBS are not in close proximity to the Columbia River or other areas occupied by the general public. However, the facilities are contaminated with both radiological and hazardous materials. Contaminants of concern include cesium, strontium, uranium, mixed fission products, fuels processing and chemical contamination that includes various acids and bases, and a wide variety of cleaning agents and solvents. Many of these facilities have also exceeded their design life. A fire , containment system failure or structural collapse due to natural causes or facility deterioration could result in a release of contaminants to the environment via air, ground and water pathways overexposing on-site workers. Most areas outside these facilities already contain radiological and hazardous contaminants in the soil and an additional release of contaminants would further complicate and increase the scope and risks of future remediation efforts.

4.2.4.7.2 Life-Cycle Material and Waste Flow

Table 4-49 Accelerated Deactivation Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
PUREX	RH LLW III	2003 - 2003	1.5	cubic meters
	RH TRUM	2000 - 2001	6.2	cubic meters

Table 4-50 Accelerated Deactivation Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
T-Plant Canyon Facility	CH LLW I	2007 - 2009	79.9	cubic meters
	CH TRUM	2007 - 2009	39.8	cubic meters

4.2.4.7.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

- Requirements

- The draft Hanford Air Operating Permit contains terms and conditions of the Washington Department of Ecology Air Operating Permit (permit number not established, application DOE/RL-95-07), and the Washington Department of Health Hanford Site Radioactive Air Emissions License No. FF-01.
- Central Plateau gaseous effluent releases shall be monitored
- Central Plateau liquid effluent releases shall be monitored
- Safe Operation of LERF - Operation and maintenance of the LERF shall be in accordance with LERF Safety Analysis Report (Woeland 1991)
- Solids shall not be allowed to accumulate in the LERF basins which may require special cleanout actions. [LERF Treatment Exemption (95-LEP-015), 40 CFR 268.4.]
- Waste will be stored in LERF for up to one year prior to treatment in the ETF. [LERF Treatment Exemption (95-LEP-015), 40 CFR 268.4]
- Utilize the T-Plant complex as a central decontamination facility on the Hanford Site. This facility is permitted by the Washington Department of Ecology (Ecology) as a RCRA treatment and storage unit.
- Operate treatment facilities and systems for liquid effluents.
- Manage current and future Hanford Site liquid effluents, including collecting, treating, and disposing of liquid effluent wastes. The program uses an integrated liquid effluent treatment system with a combination of local and central treatment systems to achieve cost-effective liquid effluent disposal. Current liquid effluent facilities include the 200 Area Liquid Effluent Retention Facility, 200 Area Treated Effluent Disposal Facility (TEDF), 200 Area Effluent Treatment Facility, 300 Area TEDF, and the 340 facility.

- Planning Assumptions

  - Central Plateau high cost surplus facilities shall be transitioned to a low cost, stable, deactivated condition
  - Nuclear materials shall be consolidated in the Central Plateau for interim storage pending ultimate disposition.
  - Central Plateau facilities shall be maintained within the approved safety envelope
  - T Plant shall be surveilled and maintained within the approved safety envelope
  - 242A Evaporator shall be operated within the approved safety envelope
  - 242A Evaporator shall be maintained within the approved safety envelope
  - 222-S shall be operated and maintained within the approved safety envelope.
  - PWR fuel shall be safely stored in T Plant
  - The WRAP facility shall be operated and maintained within the approved safety envelope.
  - 224-T TRUSAF shall be maintained within the approved safety envelope.
  - Operations and maintenance of the LERF shall be in accordance with the Liquid Effluent Retention Facility Final Hazard Categorization Report, HNF-SD-WM-SAD-040, and the Liquid Effluent Retention Facility Auditable Safety Analysis, HNF-SD-LEF-ASA-002.
  - 200 Area ETF shall be maintained within the approved safety envelope.
  - 200 Area ETF shall be operated within the approved safety envelope.

4.2.4.7.4 Project Safety Authorization Basis/NEPA and Permits

Existing facility safety authorization basis documentation shall be examined before

commencement of deactivation activities to ensure a proper safety authorization basis is in place to allow economical, efficient deactivation.

4.2.4.7.5 Tri-Party Agreement Requirements

- TPA.M.17.0.B Complete implementation of "Best Available Technology/All Known, Available, and Reasonable Methods of Prevention, Control, and Treatment (BAT/AKART) for all phase II liquid effluent streams at the Hanford Site. [Due Date: 1/31/98.]
- TPA.M.32.3 Complete T Plant tank actions. [Due Date: 9/30/1999]

4.2.4.7.6 Interfaces

TABLE 4-51 Accelerated Deactivation Interfaces

Project Title	Project Number	Interface
Solid Waste Storage & Disposal	RL-WM03	Receives T Plant Canyon Deactivation, CH-LLW-I Receives T Plant Canyon Deactivation, CH-TRUM
Solid Waste Treatment	RL-WM04	Provides Deactivated T-Plant Facility Provides Excess 2706-T Provides Excess T-Plant Facility Provides Excess WRAP Facility Provides Safe & Compliant Deactivated T-Plant Facility Provides Safe & Compliant Excess T-Plant Facility Provides Safe & Compliant Stabilized T-Plant Facility Provides Stabilized T-Plant Facility Receives Deactivated T-Plant Facility Receives Safe & Compliant Deactivated T-Plant Facility Receives Safe & Compliant Excess T-Plant Facility Receives Safe & Compliant Stabilized T-Plant Facility Receives Stabilized T-Plant Facility
Liquid Effluents	RL-WM05	Provides Excess 200 Area ETF Provides Excess 200 Area LERF Provides Excess 242-A Evaporator System
Analytical Services	RL-WM06	Provides Safe & Compliant Deactivated 222-S Laboratory Facility Provides Safe & Compliant Excess 222-S Laboratory Facility Provides Safe & Compliant Stabilized 222-S Laboratory Facility Receives Analytical Laboratory Samples from 200-TP Receives Deactivated 222-S Laboratory Receives In-Field Laboratory Samples from 200-TP Receives Stabilized 222-S Laboratory
324/327 Facility Transition	RL-TP08	Provides 324 Facility Dispersables Provides 324 Facility Tank Waste Provides 327 Facility Ion Exchange Column
Decontamination & Decommissioning	RL-ER06	Receives Deactivated 200 Area ETF Receives Deactivated 200 Area LERF Receives Deactivated 242-A Evaporator Receives Safe & Compliant Deactivated 222-S Laboratory Facility Receives Safe & Compliant Deactivated 2706-T Receives Safe & Compliant Deactivated M-33/M-91 Facility Receives Safe & Compliant Deactivated T-Plant Facility Receives Safe & Compliant Deactivated Transuranic Storage and Assay Facility Receives Safe & Compliant Deactivated WRAP Module 1

4.2.4.7.7 Requirements References

- 95-LEP-015, LERF Treatment Exemption"
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- WHC-SD-W105-SAR-001, LERF Safety Analysis Report"

4.2.4.8 324/327 Facility Transition

4.2.4.8.1 Project Description Summary

324/327 Project Technical Baseline (RL-TP08)

The purpose of the 324/327 Buildings Stabilization/Deactivation Project is to establish a passively safe and environmentally secure configuration of the 324 and 327 Buildings at the Hanford Site, and to preserve that configuration for a minimum of 10 years (deactivation planning basis only). The 10-year horizon will be used to predict future maintenance requirements and represents the typical time span needed to define, authorize, and initiate the follow-on decontamination and decommissioning (D&D) activities. Actual documentation may vary.

The project removes, reduces, and/or stabilizes the radioactive and the nonradioactive hazardous materials within the 324 and 327 Facilities. Completing these activities reduces hazards to workers and the public and allows for a reduced level of surveillance during the extended surveillance period following deactivation. Worker health and safety is a primary goal of stabilization and deactivation. A Voluntary Protection Program has been implemented. Deactivation places the plant in a condition that no longer requires high levels of surveillance and maintenance (S&M) to maintain safe conditions.

When fully deactivated, the facilities will be unoccupied, empty, and locked. The facilities will contain no active systems or utilities except for surveillance lighting and any necessary monitoring instrumentation.

327 Facility is a Discovery Site and is not yet in the Waste Identification Database System (WIDS).

324/327 Building Stabilization/Deactivation Project Organization Mission (RL-TP08)

The 324 Facility Stabilization Project mission is to achieve a safe, stable, and environmentally sound facility condition by stabilization and deactivation, that would be suitable for an extended period of Surveillance and Maintenance (S&M) pending final decommissioning, as quickly and economically as possible, and to place the facility in a condition acceptable for transfer from the Office of Facility Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40). Final decontamination and decommissioning will be accomplished after transfer to the Office of Environmental Remediation (EM-40).

The 324 Facility deactivation phase will also include closure actions for areas of the 324 Facility in accordance with DOE/RL 96-73.
324/327 Facility Transition Project Principle End Point Targets

Reduce the annual 324/327 Surveillance and Maintenance costs for each building. (Current baseline is $400,000 for both facilities).

Accomplish the deactivation and placement of the 324 and 327 Buildings into low-cost S&M by September 7, 2007.

Facility configuration will be established such that limited active systems are not required for safety and environmental confinement.

Deactivation will be performed in a way that will result in a redesignation of the 324 and 327 Buildings as radiological facilities in accordance with the criteria and guidelines provided in DOE-STD-1027, Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports.

Closure activities will be completed for the radiochemical engineering cells (REC) and high level vault (HLV) + LLV + associated areas to meet current Tri-Party Agreement (TPA) commitments.

324/327 Facility Transition Project Supported End Point Targets

The acceptable end state is defined by the following programmatic and physical results.

Programmatic:

- The building stabilization phase was completed with termination of operations, establishment of a Surveillance and Maintenance (S&M) program, development of facility-specific end points, and initiation of the deactivation Phase.
- The deactivation phase resulted in the successful completion and acceptance of the end-points established for each facility.
- The 324/327 Buildings were placed in a condition acceptable for transfer from the Office of Facilities Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40).
- The facility stabilization activities placed the facility in a condition that achieves a "radiological facility" category (DOE-STD-1027).
- A memorandum of agreement (MOA) between BWHC and BHI is approved and issued that delineates and transfers responsibilities for the future building S&M activities to BHI.
- Stabilization activities that required removal and disposal of radioactive, dangerous, and mixed waste (e.g., during tank flushing, excessing, RCRA permitting and waste disposal) complied with Federal, State, and Local regulations and requirements.
- The facility is maintained in a safe and stable condition by means of a methodical surveillance and maintenance (S&M) program.
- Material accountability, such as the SNM inventory, was reconciled.
- Facility structural integrity was verified for a minimum of five years and documented in the facility turnover package.
- Legacy equipment to remain with the building was identified, documented in the turnover package, and abandoned in place.

- The facility was placed in a physical condition adequate to contain and monitor any radioactive contamination.
- The "as left" radiation contamination survey of the facility and surrounding areas was included in the deactivation records as part of the turnover package.
- The SNM, fuels, and solid and liquid radioactive, hazardous, and mixed waste inventories were removed from the facility, or exceptions of nuclear and hazardous material remaining in the facility were identified and characterized by location, type, and quantity. Controls for such materials were documented and approved for which an end condition could not be determined.
- The building was left unoccupied, empty, locked, and maintained with minimum entry requirements pending decontamination and decommissioning.
- The building personnel have been relocated
- Radioactive, dangerous, and mixed wastes were removed using Reasonable Best Effort Methodology and disposed of in compliance with applicable regulations and requirements. Reasonable Best Effort is characterized by reducing parameters to "As Low As Economically Achievable" (ALEA) and implies use of a "Best Management Practices" approach to reach realistic, logical, and cost-effective end states or conclusions.

Physical:

- Nuclear material was removed to the necessary extent to allow the 324/327 facilities to achieve a "radiological facility" category (DOE 1992).
- Hazards, nuclear and non-nuclear, were eliminated or reduced by removing, isolating, draining, and minimizing hazardous material.
- Radiation fields were eliminated, reduced, shielded or isolated, with proper radiological posting of remaining radiation fields.
- Radioactive contamination was removed, reduced, or isolated/contained to mitigate and prevent spreading.
- Housekeeping was performed and removal of unattached (e.g., portable and/or mobile) material, equipment, office furniture and files, and chemicals was completed.
- Remaining facility hazards were isolated and contained from personnel and the environment using blanking, plugging, covering, removal, screening, and sealing of doors, windows, pipe penetrations, holes, drains, etc.
- Facility doors were locked from the inside except those required for entrance by surveillance personnel.
- To maximum extent possible, unsurveilled areas of the facility were sealed to prevent unauthorized access.
- Areas requiring access for inspection were sufficiently decontaminated.
- Installation of instrumentation such as alarms, windows in ancillary buildings, and surveillance lighting was completed to enable monitoring, surveillance, and control of the facility pending final disposition.
- Structural repairs, roof sealing, and facility modifications (e.g, upgrade the of the ventilation system) were completed to establish a safe and stable facility.
- Proper equipment labeling was provided to enable future D&D activities.
- Chemical and radioactive inventories were stabilized to minimize facility risks and allow for reduced S&M.
- Mobile quantities of SNM and SNF and related items were removed.
- The facility process vessels and tanks were emptied/drained and flushed with some process equipment disassembled to remove inventory.
- Failed equipment/jumpers were removed or stabilized in place.
- Piping to external facility interfaces was isolated unless deemed necessary to support D&D.

- Facility supplies were removed.
- Facility high-radiation areas were shielded to enable S&M and D&D activities.
- Significant SNM was removed from facility laboratory hoods.
- Facility laboratory hoods were decontaminated/isolated and hood exhaust ductwork was isolated/contained.
- Facility floor drains were plugged, removed, or isolated.
- Facility room floors, wall, and ceiling surfaces were decontaminated of hazardous and radioactive materials and resurfaced as necessary to enable S&M and D&D activities.
- Facility system headers were drained and flushed as necessary to remove hazardous and radioactive materials.
- Facility friable asbestos materials were sealed/stabilized to enable S&M and D&D activities.
- Facility laboratory gloveboxes were decontaminated and residual contamination fixed to enable S&M and D&D activities.
- Facility liquid effluent streams were eliminated.
- Facility organic solvents, acid solutions, recovered acid, and chemical and acid inventories were removed.

Utilities/Instrumentation Systems:

- The facility contains no active systems or utilities with the exception of the heating, ventilation, and air conditioning (HVAC) system as required to maintain the final confinement barrier, and systems required for monitoring and emission control.
- Systems required for monitoring and emission control, protection of surveillance personnel, the general public and environment, and vital equipment were sustained.
- Systems required to respond to emergency conditions expected in the facility's deactivated state and to prevent structural degradation were sustained.
- Unnecessary utilities and HVAC system lines were isolated.
- Facility instrument and equipment controls de-energized.
- Facility steam, water, and compressed air service was eliminated.
- Facility emergency electrical loads were minimized or eliminated.
- Facility electrical service was provided for selected lighting panels as necessary to support subsequent S&M and D&D activities.
- Facility monitoring functions consolidated at a single monitoring location.
- Facility security systems and procedures are adequate to prevent unauthorized entry.

The technical strategy for the 324 Facility includes the following objectives:

- Establish a 324 Facility configuration such that active systems are not required for safety and environmental confinement.
- Perform stabilization in a manner that will result in a redesignation of the 324 facility as a "radiological facility" in accordance with the criteria and guidelines provided in DOE-STD-1027, Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports.
- Complete closure activities per DOE/RL 96-73 to meet current TPA commitments.
- Protect the environment from contamination during any stabilization activities and associated structure upgrades and modifications required to complete the project goals.
- Sustain the systems required for protection of surveillance personnel, the general public and environment, and vital equipment.
- Sustain the systems required to respond to emergency conditions expected in the facility's deactivated state and to prevent structural degradation.
- Ensure that hazards to personnel or the environment are controlled through partial closure, removal, isolation, mitigation, or stabilization of such hazards.

- Ensure structures be maintained in a safe condition with threats to human health and safety removed or appropriate compensatory measures (barriers, access controls, administrative controls, etc.) implemented.

The technical strategy for 327 Facility includes the following objectives:

- Establish a 327 Facility configuration such that active systems are not required for safety and environmental confinement.
- Perform stabilization in a manner that will result in a redesignation of the 327 facility as a "radiological facility" in accordance with the criteria and guidelines provided in DOE-STD-1027, Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports.
- Protect the environment from contamination during any stabilization activities and associated structure upgrades and modifications required to complete the project goals.
- Sustain the systems required for protection of surveillance personnel, the general public and environment, and vital equipment.
- Sustain the systems required to respond to emergency conditions expected in the facility's deactivated state and to prevent structural degradation.
- Ensure that hazards to personnel or the environment are controlled through partial closure, removal, isolation, mitigation, or stabilization of such hazards.
- Ensure structures be maintained in a safe condition with threats to human health and safety removed or appropriate compensatory measures (barriers, access controls, administrative controls, etc.) implemented.

4.2.4.8.2 Life-Cycle Material and Waste Flow

Table 4-52 324/327 Facility Transition Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
324 Facility	CH LLMW III	2000 - 2007	27.2	cubic meters
	CH LLW I	2000 - 2007	142.0	cubic meters
	CH LLW III	2000 - 2006	169.0	cubic meters
	CH TRU	2001 - 2002	0.514	cubic meters
	CH TRUM	2001 - 2006	1.54	cubic meters
	HAZ	2000 - 2006	67.6	cubic meters
	Industrial Waste Water	2000 - 2007	190000	cubic meters
	RH LLW III	2000 - 2007	108.0	cubic meters
	RH TRU	2000 - 2007	121.0	cubic meters
	RH TRUM	2000 - 2007	37.5	cubic meters
	Spent Nuclear Fuel (SNF)	2002 - 2002	2.3	MTHM
327 Facility	HAZ	2000 - 2007	11.0	cubic meters
	Industrial Waste Water	2000 - 2007	159000	cubic meters
	RH LLW III	2003 - 2003	1.5	cubic meters

4.2.4.8.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

- Requirements

- Section V of the Clean Air Act of 1977 (CAA), adopted in the 1990 amendments to the CAA, establishes a federal permitting program, which will be administered by the states. Any "major source" of criteria pollutants or of hazardous air pollutants will be required to obtain a permit to operate the source.
- The Clean Water Act of 1977 (CWA) requires any source that discharges a "pollutant" into a surface water body to obtain and operate in compliance with a National Pollution Discharge Elimination System (NPDES) permit. The CWA includes radioactive materials in its definition of pollutant (33 U.S.C. 1362 (6)). However, the EPA has interpreted "pollutant" to exclude radioactive materials regulated under the Atomic Energy Act of 1954 (AEA). The CWA applies to naturally occurring and accelerator-produced radioisotopes; it does not apply to source, special, or byproduct materials as the AEA defines those terms. Currently, four effluent streams are discharged from the 324 and 327 Facilities.
- · Reduce facility cost to the minimum needed to support surveillance and maintenance pending final facility decontamination and decommissioning.
- Complete the 324 Facility special case waste (SCW) assessment in support of 324 closure
- Close the REC, the high-level vault (HLV) and low-level vault (LLV), the piping, and the associated areas in accordance with DOE/RL 96-73.
- Accomplish stabilization and deactivation activities to place the 327 Facility into low cost Surveillance and Maintenance, to achieve a 327 Facility safety class designation of "radiological facility" using the STD 1027 standard and implementation guide, and to place the facility in a condition acceptable for transfer from the Office of Facility Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40) by Sept 7, 2007.
- Accomplish stabilization and deactivation activities to place the 324 Facility into low cost Surveillance and Maintenance, to achieve a 324 Facility safety class designation of "radiological facility" using the STD 1027 standard and implementation guide, and to place the facility in a condition acceptable for transfer from the Office of Facility Transition and Management (EM-60) to the Office of Environmental Restoration (EM-40) by Sept. 7, 2007.
- Reduce the annual surveillance and maintenance costs for both the 324 and 327 Facilities to less than $400,000 (BWHC 1997).
- Reduce the annual surveillance and maintenance costs for both the 324 and 327 Facilities to less than $400,000 (BWHC 1997).
- Establish a passively safe (i.e., limited active systems required) and environmentally secure facility configuration, including implementation of contamination controls, for safety and environmental confinement that may be retained through the post-deactivation period until final facility disposition activities begin.
- Establish a passively safe (i.e., limited active systems required) and environmentally secure facility configuration, including implementation of contamination controls, for safety and environmental confinement that may be retained through the post-deactivation period until final facility disposition activities begin.
- 324 B Cell dispersible material shall be containerized and removed by November 30, 2000.
- 324 B Cell excess equipment shall be removed by November 30, 2000.
- 324 Building Nuclear Materials shall be dispositioned.
- South 600 Area liquid effluent releases shall be monitored
- 324 building shall be maintained within the approved safety envelope.
- 324 building shall be operated within the approved safety envelope.
- 324 building B Cell safety issues shall be resolved by Dec 1998.

- South 600 area cesium capsules, pellets, and powders shall be repackaged as necessary.
- Protect workers, the public, and the environment during 324 stabilization and deactivation activities.
- Protect workers, the public, and the environment during 327 stabilization and deactivation activities.
- Comply with regulations and requirements during 327 stabilization and deactivation activities.
- Reduce 327 facility cost to the minimum needed to support surveillance and maintenance pending final facility decontamination and decommissioning.
- Facilitate 327 Facility S&M to ensure that remaining process equipment does not fail and release any residual materials.
- Establish baseline data for 327 S&M to enable record keeping to identify systems and/or components that may be deteriorating and to advise decommissioning personnel about the potential hazards.
- Hazardous and radioactive materials shall be removed from the 327 facility or reduced and stabilized sufficiently to reduce hazards to workers and the public, to ensure long-term facility safety and regulatory compliance, to reduce the level of required surveillance during the extended surveillance period following deactivation, to enable plant classification as a "radiological facility", and to enable subsequent successful D&D.
- Promote facility decommissioning by preparing the 327 facility to be one that is cleaned of process materials to the greatest extent possible.
- Empty and flush 327 process systems to eliminate the need to generate RCRA permits for storage tanks.
- Establish 327 hazardous material inventories to ensure the location and amount of all material is known.
- Remove and dispose of filters and other such equipment that contain radioactive or hazardous materials consistent with 327 facility operation requirements.
- Conduct 327 stabilization activities with consideration for waste minimization and pollution prevention.
- Remove fissionable material to the extent required to enable the 327 facility hazard category to be reduced from a "fissionable material facility" to one of a "radioactive facility."
- Eliminate or reduce 327 facility hazards, nuclear and non-nuclear.
- Eliminate, shield, or isolate radiation fields to enable 327 S&M and D&D activities.
- Reduce 327 facility contamination and prevent its spread or migration.
- Accomplish waste disposal during 327 stabilization and deactivation activities in compliance with applicable laws and regulations.
- Isolate and contain residual, potentially hazardous materials or conditions in 327 facility.
- Provide capability for ongoing monitoring and control of the 327 facility.
- Provide additional 327 facility modification or refurbishment to support future work (S&M or D&D)
- Provide 327 turnover documentation and equipment labeling.
- Conducted a facility assessment (i.e., characterize the hazards, risks, liabilities, and costs) to provide a technical basis for future 324 Facility Stabilization Project decisions.
- Comply with regulations and requirements during 324 stabilization and deactivation activities.
- Facilitate 324 Facility S&M to ensure that remaining process equipment does not fail and release any residual materials.

- Establish baseline data for 324 S&M to enable record keeping to identify systems and/or components that may be deteriorating and to advise decommissioning personnel about the potential hazards.
- Hazardous and radioactive materials shall be removed from the 324 facility or reduced and stabilized sufficiently to reduce hazards to workers and the public, to ensure long-term facility safety and regulatory compliance, to reduce the level of required surveillance during the extended surveillance period following deactivation, to enable plant classification as a "radiological facility", and to enable subsequent successful D&D.
- Promote 324 facility decommissioning by preparing the facility to be one that is cleaned of process materials to the greatest extent possible.
- Empty and flush 324 facility process systems to eliminate the need to generate RCRA permits for storage tanks.
- Establish hazardous material inventories to ensure the location and amount of all material is known in 324 facility.
- Remove and dispose of filters and other such equipment that contain radioactive or hazardous materials consistent with 324 facility operation requirements.
- Conduct 324 stabilization activities with consideration for waste minimization and pollution prevention.
- Remove radioactive material to the extent required to enable the 324 facility hazard category to be reduced from a "fissionable material facility" to one of a "radioactive facility."
- Conducted a facility assessment (i.e., characterize the hazards, risks, liabilities, and costs) to provide a technical basis for future 324 Facility Stabilization Project decisions.
- Eliminate or reduce 324 facility hazards, nuclear and non-nuclear.
- Eliminate, shield, or isolate radiation fields to enable 324 S&M and D&D activities.
- Reduce 324 facility contamination and prevent its spread or migration.
- Accomplish waste disposal during 324 stabilization and deactivation activities in compliance with applicable laws and regulations.
- Isolate and contain residual, potentially hazardous materials or conditions in 324 facility.
- Provide capability for ongoing monitoring and control of the 324 facility.
- Provide additional 324 facility modification or refurbishment to support future work (S&M or D&D).
- Provide 324 turnover documentation and equipment labeling.
- National Environmental Protection Act/State Environmental Policy Act Status and Strategy. The NEPA is a review and documentation process promulgated under 10 CFR 1021 and 40 CFR 1508.27 and also executed pursuant to DOE Order 5440.1E, Chapter V. This documentation requires that all federal agencies identify the environmental impacts associated with the proposed remedial actions that may significantly affect the environment.
- National Historic Preservation Act (NHPA) provisions found in 36 CFR 800, "Determination of Eligibility for Inclusion in National Register," require federal agencies to survey all lands and structures under their control, and to identify and evaluate all properties for eligibility to be listed in the National Register of Historic Places.
- RCRA, as amended (42 U.S.C., sec. 6901 et seq. and implemented in Washington State through Washington Administrative Code [WAC] 173-303), regulates the generation, transportation, storage, treatment, and disposal of solid and hazardous waste. The RCRA provisions govern cleanup of hazardous waste constituents released to the environment from hazardous or solid waste management units.

- Planning Assumptions

  - High cost surplus facilities and systems shall be transitioned to a low cost, stable, deactivated condition.
  - Facilities and systems shall be made available for other uses.
  - Facilities shall be transitioned to the surveillance and maintenance phase when no longer required to support the site mission.
  - 324 building shall be transitioned to the surveillance and maintenance phase.
  - 327 building shall be transitioned to the surveillance and maintenance phase
  - 327 Building Nuclear Material shall be dispositioned.
  - 327 building shall be maintained within the approved safety envelope.
  - 327 building shall be operated within the approved safety envelope.
  - 300 Area SNM contained in various buildings shall be surveilled and maintained within the approved safety envelope.
  - SNM contained in the 327 Building shall be surveilled and maintained within the approved safety envelope.
  - 300 Area nuclear materials shall be remediated.

4.2.4.8.4 Project Safety Authorization Basis/NEPA and Permits

The current safety authorization basis for the 324 Buildings is contained in HNF-SD-SPJ-SAR-001 Rev1b, 2/10/99, 324 Building Safety Analysis Report. The safety authorization basis for the 327 Buildings is contained in HNF-SD-SPJ-SAR-002 Rev1b, 2/10/99, 327 Building Safety Analysis Report.

These buildings shall be operated in accordance with 324 and 327 Operations manuals. Environmental, safety, and health requirements for the 324 and 327 Buildings are contained in the S/RID for 324 and 327.

4.2.4.8.5 Tri-Party Agreement Requirements

  - TPA.M.89.0 TPA Milestone M-89 complete closure of non-permitted mixed waste units in the 324 Buiding REC B-cell, REC D-cell and high level vault. [Due Date: tbd by Ecology]
  - TPA.M.89.1 TPA Milestone M-89-01, completed September 5, 1996, required removal of 324 Facility HLV Tank mixed waste (e.g., TK-104, TK-105, and TK-107) with the exception of residues which may remain following flushing and draining to the extent possible.
  - TPA.M.89.1.A TPA Milestone M-89-01A, completed March 31, 1995, identifies the HLV tanks that contained mixed waste as tanks 104, 105, and 107, and directs the U.S. Department of Energy, Richland Operations Office (DOE-RL) to flush and drain these tanks.

- TPA.M.89.2 TPA Miletone M-89-02, due November 30, 2000, requires removal of 324 facility B-Cell mixed waste and equipment. Actions under this milestone include containment and removal of all B Cell dispersible materials, excess equipment and debris. Containerized MW will be managed in compliance with Chapter 173.303 WAC, thereby reducing risks to human health and the environment. Any remaining residues following removal actions will be managed through the final closure process. USDOE's 324 Building Rec B Cell clean-out project (BCCP) will be used as a guide for containerizing dispersible MW and removing unnecessary equipment and materials from B-Cell.
- TPA.M.89.5 TPA Milestone M-89-05, completed June 30, 1998, required completion of the 324 facility special case waste (SCW) assessment in support of 324 closure.
- TPA.M.92.1 Complete commercial disposition and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for sitewide consolidation, and storage prior to commercial use, or treatment and/or repackaging by DOE TWRS.
  Completion of this milestone requires the completion of commercial disposition and/or all construction of internal/external facility(s) modifications, and startup activities necessary for the treatment/processing, repackaging (if necessary), and storage of Cs/Sr (to include unencapsulated salts) located at the (1) "ARECO" facility in Lynchberg VA (25 capsules), (2) Hanford 300 Area (13 capsules at the 327 pool facility and excess Cs/Sr salts at the 324 facility), and (3) Hanford Waste Encapsulation and Storage Facility (WESF) in the 200 East Area. [Due Date: 12/31/2009]
- TPA.M.92.4 TPA Milestone M-92-04, Completed December 1998, required transfer of all 300 Area Cs/Sr to WESF and/or an approved storage location by 12/31/98.
- TPA.M.92.12 TPA Milestone M-92-12 complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for consolidated storage prior to disposal of Hanford Site 300 Area Special Case Waste (SCW). [Due Date: 9/30/2006]
- TPA.M.92.13 TPA Milestone M-92-13, Submit 300 Area PMP to Ecology persuant to Agreement Action Plan, Section 11.5 [Due Date: 30 Sep 2000]
- TPA.M.92.14 TPA Milestone M-92-14 Complete removal and transfer, and initiate storage of Phase I 300 Area SCW and materials. Phase I inventory will consist of, at minimum, one-third the total curie content of all 300 Area SCW by September 30, 2002.
- TPA.M.92.15 TPA Milestone M-92-15 Complete removal and transfer, and initiate storage of Phase II 300 Area SCW and materials. Phase II inventory will consist of, at minimum, half of the remaining curie content of 300 Area SCW waste and materials by September 30, 2004.
- TPA.M.92.16 TPA Milestone M-92-16 complete removal and transfer, and initiate storage of Phase III 300 Area SCW and materials by September 30, 2006.

4.2.4.8.6 Interfaces

TABLE 4-53 324/327 Facility Transition Interfaces

Project Title	Project Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives 324 Facility, HAZ Receives 327 Facility Hazardous Waste

TABLE 4-53 324/327 Facility Transition Interfaces (Continued)

Project Title	Project Number	Interface
Tank Farm Operations	RL-TW03	Receives 324 Facility HLW Receives 327 Facility Radioactive/Mixed Liquid Waste to DSTs
Solid Waste Storage & Disposal	RL-WM03	Receives 324 Facility, CH LLMW III Receives 324 Facility, CH LLW I Receives 324 Facility, CH LLW III Receives 324 Facility, CH-TRU Receives 324 Facility, CH-TRUM Receives 324 Facility, RH-TRU Receives 324 Facility, RH-TRUM
Liquid Effluents	RL-WM05	Receives 324 Building Process Sewer Industrial Waste Water Transfer Receives 324 Potentially Contaminated Waste Water Receives 327 Building Process Sewer Industrial Waste Water Transfer
Analytical Services	RL-WM06	Provides Excess 327 Facility
Spent Nuclear Fuel Project	RL-WM01	Receives 324 Spent Nuclear Fuel
Canister Storage Building Operations	RL-WM02	Receives 324 Spent Nuclear Fuel
Accelerated Deactivation	RL-TP10	Receives 324 Facility Dispersables Receives 324 Facility Tank Waste Receives 327 Facility Ion Exchange Column
300 Area Source Remedial Action	RL-ER03	Receives Deactivated 327 Facility

4.2.4.8.7 Requirements References

- 10 CFR 1021, NEPA Implementing Procedures"
- 36 CFR 800, Protection of Historic and Cultural Properties"
- 42 USC 6901, et seq., Resource Conservation and Recovery Act of 1976 (RCRA)"
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-73, The 324 Radiochemical Engineering Cells, High-Level Vault , Low-Level Vault, and Associated Areas Closure Plan"
- DOE/RL-96-92, Hanford Strategic Plan"
- HNF-IP-1289, 324/327 Building Stabilization Project Management Plan "
- HNF-IP-2118, 327 Building End Point Specification Document"
- HNF-IP-2119, 324 Building End Point Specification Document"
- PL 92-500, Federal Water Pollution Control Act Amendments of 1972 (Clean Water Act)"
- RCW 70.94, Washington Clean Air Act"

4.2.4.9 Hanford Surplus Facility Prog 300A Revitalization

4.2.4.9.1 Project Description Summary

As a result of Hanford site mission change from defense production to cleanup and downsizing, the 300 area has a number of excess facilities requiring disposition beyond simple removal.

Seven buildings were assigned to the Facility Stabilization Project in FY1998 and the minimum

surveillance and maintenance for them is funded from this PBS. They are 321, 321B, 321C, 321D, 3706, 3706A and 377.

The purpose of this project is to provide a path forward for the seven facilities currently assigned to this PBS. In future years Miscellaneous Engineering and radiological facilities, 325, 326, 329, 306W and the 331 facilities are planned to be transferred to this PBS. The path forward for these facilities includes:
- Monitoring and maintenance of facilities and grounds as required to assure containment of the radioactive and hazardous material.
- Stabilization and deactivation of contaminated facilities.
- Alternative cleanup of facilities, removing the legacy and liabilities of DOE operations ONLY TO THE EXTENT NECESSARY for facility and area alternative use.
- Final disposition of facilities including sale, dismantlement for salvage, demolition, and alternate use of facilities where facility re-use is economically and practically feasible.

4.2.4.9.2 Life-Cycle Material and Waste Flow

Table 4-54 Hanford Surplus Facility Prog 300A Revitalization Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
306W	Industrial Waste Water	2000 - 2007	99400	cubic meters
Misc Radiological Facilities	Industrial Waste Water	2000 - 2030	1740000	cubic meters

4.2.4.9.3 Facility Life-Cycle Requirements

The planning assumptions contained in this section have been extracted from the Hanford Strategic Plan (DOE.RL.96.92), and the Comprehensive Land Use Plan (DOE.EIS.222.D).

- Requirements

  - South 600 Area gaseous effluent releases shall be monitored.

- Planning Assumptions

  - High cost surplus facilities and systems shall be transitioned to a low cost, stable, deactivated condition.
  - Facilities and systems shall be made available for other uses.
  - Facilities shall be transitioned to the surveillance and maintenance phase when no longer required to support the site mission.
  - 300 Area facilities shall be surveilled and maintained within the approved safety envelope.
  - 325 facility shall be maintained within the approved safety envelope.
  - 325 facility shall be operated within the approved safety envelope.
  - 326 facility shall be maintained within the approved safety envelope.
  - 326 facility shall be operated within the approved safety envelope.
  - 329 facility shall be maintained within the approved safety envelope.
  - 329 facility shall be operated within the approved safety envelope.
  - 306W facility shall be maintained within the approved safety envelope.
  - 306W facility shall be operated within the approved safety envelope.
  - 331 facility shall be maintained within the approved safety envelope.

- 331 facility shall be operated within the approved safety envelope.

4.2.4.9.4 Project Safety Authorization Basis/NEPA and Permits

Existing facility safety Authorization Basis documentation shall be reviewed/revised before work execution to ensure the proper safety Authorization Basis is in place to support economical and efficient project execution.

4.2.4.9.5 Tri-Party Agreement Requirements

- None

4.2.4.9.6 Interfaces

TABLE 4-55 Hanford Surplus Facility Prog 300A Revitalization Interfaces

Project Title	Project Number	Interface
Liquid Effluents	RL-WM05	Receives 306W Industrial Waste Water Transfers Receives Misc Rad Facility Industrial Waste Water Transfers
Surveillance & Maintenance	RL-ER05	Receives Deactivated 331 Facility Receives Safe & Compliant Deactivated Misc Rad Facility Receives Safe & Compliant Deactivated 306W Facility Receives Safe & Compliant Deactivated 325 Facility Receives Safe & Compliant Deactivated 326 Facility Receives Safe & Compliant Deactivated 329 Facility
PNNL Waste Management	RL-ST01	Provides Excess 306W Facility Provides Excess 325 Building Provides Excess 326 Building Provides Excess 329 Building Provides Excess 331 Facility Provides Excess Misc. Rad Labs

4.2.4.9.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-96-92, Hanford Strategic Plan"

Concurrence: _____
S. H. Wisness, Director
Site Engineering Division,
U.S. Department of Energy,
Richland Operations Office

Approved by: _____
P. M. Knollmeyer
Assistant Manager for
Facility Transition,
U.S. Department of Energy,
Richland Operations Office

_____
N. D. Moorer, Director
Site Services Division,
U.S. Department of Energy,
Richland Operations Office

4.2.5 Landlord Project

The mission of Landlord Project is to provide major maintenance/replacement of general infrastructure facilities and systems to facilitate the Hanford Site cleanup mission. Once an infrastructure facility or system is no longer needed the Landlord Project transitions the facility to final closure/removal through excess, salvage, or demolition. Landlord Project activities will be performed in an environmentally sound, safe, economical, prudent, and reliable manner. The Landlord Project consists of the following major facilities/systems: steam, water, liquid sanitary waste, electrical distribution, telecommunication systems, sanitary landfill, emergency services, general purpose offices, general purpose shops, general purpose warehouses, environmental support facilities, roads, railroad, and the site land.

The objectives for general infrastructure support are reflected in two specific areas, 1) Core Infrastructure Maintenance, and 2) Infrastructure Risk Mitigation.

4.2.5.a Project Structure

- Landlord (RL-TP13)

4.2.5.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- This area will remain in Federal ownership consistent with safety analysis boundaries and waste management operations in the 200 Area. These areas will be available for other Federal programs or leased for non-Federal uses, consistent with appropriate recognition of cultural and ecosystem values.
- The 200 Areas and central plateau will be used for the management of nuclear materials and the collection and disposal of waste materials that remain onsite and for other related and compatible uses. Cleanup levels and disposal standards will be established that are consistent with these long-term uses.
- Pending Congressional action on the Wild and Scenic River designation, use will continue to be restricted; sensitive ecological, cultural, and native American resources will be protected.

- Remove and/or stabilize spent fuel, surplus facilities, and waste sites to protect groundwater and the Columbia River and to ensure protection of people, the environment, and natural/cultural resources. Pending Congressional action on the Wild and Scenic River designation, use will continue to be restricted; sensitive ecological , cultural, and native American resources will be protected.
- The 300 Area waste sites, materials and facilities will be remediated to allow industrial and economic diversification opportunities. The Federal government will retain ownership of land in and adjacent to the 300 and 400 Areas, but will lease land for private and public uses to support regional industrial and economic development. Excess land within the 1100 Area will be targeted for transition to non-Federal ownership.
- Groundwater remains restricted for a yet to be determined period pending decisions on final attainable cleanup levels. Remediation actions will protect the Columbia River and the near-shore environment, reduce contamination entering the groundwater, and control the migration of plumes that threaten groundwater quality beyond the boundaries of the Central Plateau.
- Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.

4.2.5.c Technical Logic

Figure 4-6 Landlord Material/Flow Logic

LANDLORD PROJECT EXCESS FACILITIES
Logic Diagram

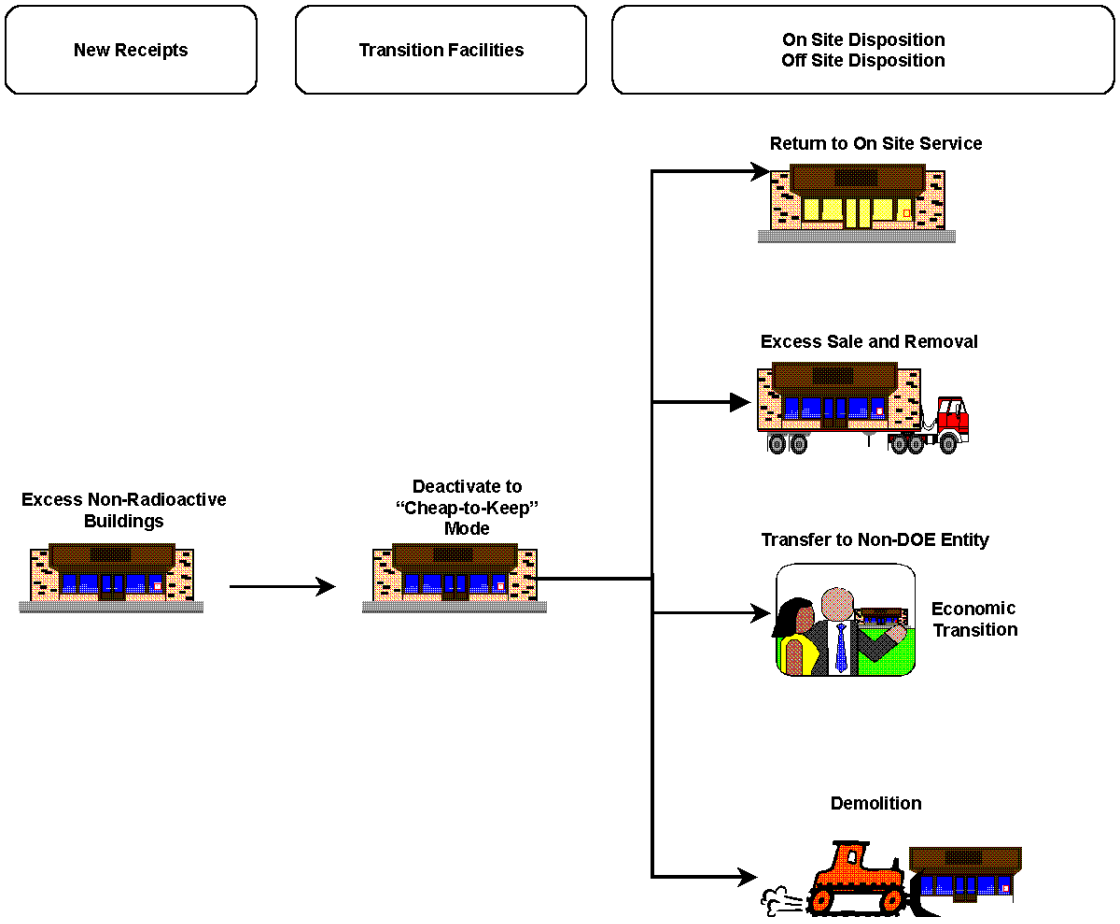
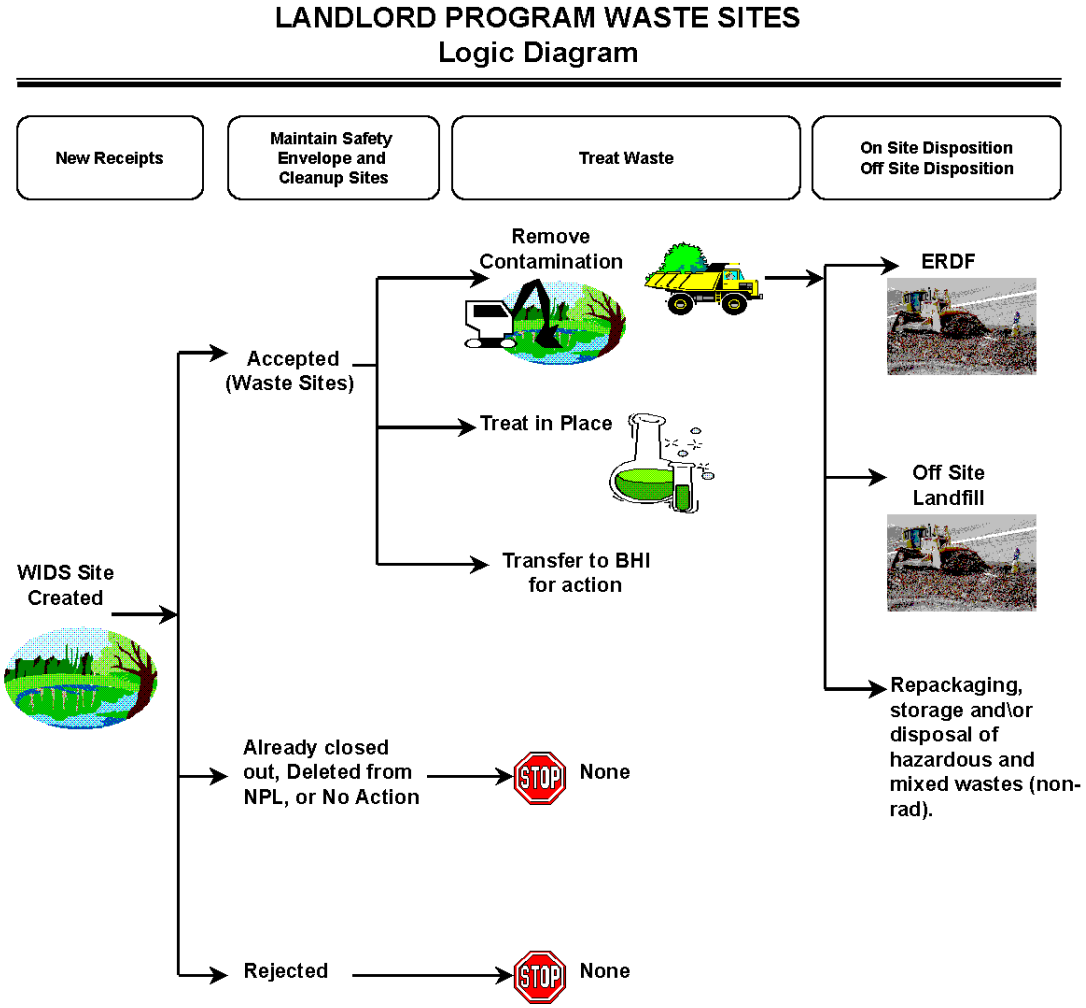


Figure 4-7 Landlord Material/Flow Logic



4.2.5.d Facility Life-Cycle Responsibility Assignments

Table 4-56 Landlord Project Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
100-N Reactor	RL-ER10						RL-ER06
1331N	RL-ER10					RL-TP13	RL-TP13
1332N	RL-ER10					RL-TP13	RL-TP13
MO951	RL-ER10					RL-TP13	RL-TP13
MO952	RL-ER10					RL-TP13	RL-TP13
MO957	RL-ER10						RL-TP13
MO954	RL-ER10					RL-TP13	RL-TP13
200 LEF	RL-WM05				RL-WM05		RL-ER02 RL-ER06
242A	RL-WM05				RL-WM05	RL-TP10 RL-TP13	RL-ER06 RL-TP13
242AB	RL-WM05				RL-WM05	RL-TP10 RL-TP13	RL-ER06 RL-TP13
200 Area Treated Effluent Disposal Facility	RL-WM05				RL-WM05	RL-TP13	RL-TP13
216E-43A	RL-WM05				RL-WM05	RL-TP13	RL-TP13
216E-43B	RL-WM05				RL-WM05	RL-TP13	RL-TP13
225E	RL-WM05				RL-WM05	RL-TP13	RL-TP13
6653A	RL-WM05				RL-WM05	RL-TP13	RL-TP13
200E SALDS	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
200W SALDS	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
242A702	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
242A81	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
PUREX	RL-TP03					RL-ER05 RL-TP03	RL-ER06 RL-ER07
225EC	RL-TP03				RL-WM05	RL-TP13	RL-TP13
PFP	RL-TP05					RL-ER05 RL-TP05	RL-ER06 RL-ER07 RL-TP05
234-5Z-BA	RL-TP05 RL-TP13				RL-I111	RL-TP13	RL-ER06
MO014	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO428	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO429	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO432	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO834	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO839	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
300 LEF	RL-WM05				RL-WM05	RL-ER03 RL-WM05	RL-ER03
300 Area Treated Effluent Disposal Facility	RL-WM05				RL-WM05	RL-TP13	RL-TP13
310	RL-WM05				RL-WM05	RL-TP13	RL-TP13
310S	RL-WM05				RL-WM05	RL-TP13	RL-TP13
3906	RL-WM05				RL-WM05	RL-TP13	RL-TP13
FFTF	RL-MS01				RL-MS01	RL-ER05 RL-MS01	RL-ER06 RL-ER07
4843	RL-TP13				RL-I123	RL-TP13	RL-TP13

Table 4-56 Landlord Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
300 Area Fuel Supply System	RL-TP04					RL-ER05 RL-TP04	RL-ER06 RL-ER07
MO052	RL-TP04 RL-TP13				RL-TP04	RL-TP13	RL-ER06
Misc Engineering Laboratories	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
332	RL-ST01				RL-ST01	RL-ST01 RL-TP13	
336	RL-ST01				RL-ST01	RL-TP13	RL-ER06 RL-ER07
338	RL-ST01				RL-ST01	RL-TP13	RL-ER06 RL-ER07
3745A						RL-TP13	
Misc Radiological Facilities	RL-ST01 RL-TP14				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
306E	RL-OT01				Cogema	RL-TP14	RL-TP13
3020 Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
Steam System	RL-I111				RL-I111	RL-TP13	RL-TP13
284E	RL-I111						RL-TP13
284EB	RL-I111				RL-I111	RL-TP13	RL-TP13
284W	RL-I111						RL-TP13
285W	RL-I111				RL-I111	RL-TP13	RL-TP13
284WB	RL-I111						RL-TP13
384	RL-I111						RL-TP13
Water System	RL-I112 RL-TP13				RL-I112 RL-TP13	RL-TP13	RL-TP13
183.5KW	RL-I112				RL-I112	RL-TP13	RL-TP13
183.6KW	RL-I112				RL-I112	RL-TP13	RL-TP13
183KE	RL-I112				RL-I112	RL-TP13	RL-TP13
183.1KW	RL-I112				RL-I112	RL-TP13	RL-TP13
181B	RL-I112				RL-I112	RL-TP13	RL-TP13
182B	RL-I112				RL-I112	RL-TP13	RL-TP13
181D	RL-I112				RL-I112	RL-TP13	RL-TP13
182D	RL-I112				RL-I112	RL-TP13	RL-TP13
183D	RL-I112				RL-I112	RL-TP13	RL-TP13
1901Y	RL-I112				RL-I112	RL-TP13	RL-TP13
1902D	RL-I112				RL-I112	RL-TP13	RL-TP13
183-2KW	RL-I112				RL-I112	RL-TP13	RL-TP13
183-3KW	RL-I112				RL-I112	RL-TP13	RL-TP13
183-4KW	RL-I112				RL-I112	RL-TP13	RL-TP13
282E	RL-I112				RL-I112	RL-TP13	RL-TP13
282EA	RL-I112				RL-I112	RL-TP13	RL-TP13
282EB	RL-I112				RL-I112	RL-TP13	RL-TP13
282ED	RL-I112				RL-I112	RL-TP13	RL-TP13
283E	RL-I112				RL-I112	RL-TP13	RL-TP13
282W	RL-I112				RL-I112	RL-TP13	RL-TP13
282WA	RL-I112				RL-I112	RL-TP13	RL-TP13
282WD	RL-I112				RL-I112	RL-TP13	RL-TP13
283W	RL-I112				RL-I112	RL-TP13	RL-TP13
283WB	RL-I112				RL-I112	RL-TP13	RL-TP13
283WD	RL-I112				RL-I112	RL-TP13	RL-TP13
283WF	RL-I112				RL-I112	RL-TP13	RL-TP13
286W	RL-I112				RL-I112	RL-TP13	RL-TP13
2901Y	RL-I112				RL-I112	RL-TP13	RL-TP13
315	RL-I112				RL-I112	RL-TP13	RL-TP13
382	RL-I112				RL-I112	RL-TP13	RL-TP13
382B	RL-I112				RL-I112	RL-TP13	RL-TP13
315C	RL-I112				RL-I112	RL-TP13	RL-TP13
315D	RL-I112				RL-I112	RL-TP13	RL-TP13
Liquid Sanitary Waste System	RL-I113 RL-TP13				RL-I113 RL-TP13	RL-TP13	RL-TP13
4708	RL-I113				RL-I113	RL-TP13	RL-TP13
Electrical Distribution System	RL-I114 RL-TP13				RL-I114 RL-TP13	RL-TP13	RL-TP13
151B	RL-I114				RL-I114		RL-TP13
151-KE	RL-I114						RL-TP13

Table 4-56 Landlord Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
151-KW	RL-I114				RL-I114	RL-TP13	RL-TP13
251W	RL-I114				RL-I114	RL-TP13	RL-TP13
252E	RL-I114				RL-I114	RL-TP13	RL-TP13
252S	RL-I114				RL-I114	RL-TP13	RL-TP13
252U	RL-I114				RL-I114	RL-TP13	RL-TP13
252W	RL-I114				RL-I114	RL-TP13	RL-TP13
621A	RL-I114				RL-I114	RL-TP13	RL-TP13
621B	RL-I114				RL-I114	RL-TP13	RL-TP13
351A	RL-I114				RL-I114	RL-TP13	RL-TP13
351B	RL-I114				RL-I114	RL-TP13	RL-TP13
352E	RL-I114				RL-I114	RL-TP13	RL-TP13
352F	RL-I114				RL-I114	RL-TP13	RL-TP13
3621E	RL-I114				RL-I114	RL-TP13	RL-TP13
3621C	RL-I114				RL-I114	RL-TP13	RL-TP13
3621D	RL-I114				RL-I114	RL-TP13	RL-TP13
652	RL-I114				RL-I114	RL-TP13	RL-TP13
Telecommunications System	RL-I148 RL-TP13				RL-I148 RL-TP13	RL-TP13	RL-TP13
630	RL-I148				RL-I148	RL-TP13	RL-TP13
1112NA	RL-I148				RL-I148	RL-TP13	RL-TP13
506B	RL-I148				RL-I148	RL-TP13	RL-TP13
506BA	RL-I148				RL-I148	RL-TP13	RL-TP13
2506E1	RL-I148				RL-I148	RL-TP13	RL-TP13
2506E2	RL-I148				RL-I148	RL-TP13	RL-TP13
2506W3	RL-I148				RL-I148	RL-TP13	RL-TP13
2506E3	RL-I148				RL-I148	RL-TP13	RL-TP13
2506W1	RL-I148				RL-I148	RL-TP13	RL-TP13
2506W2	RL-I148				RL-I148	RL-TP13	RL-TP13
MO290	RL-I148				RL-I148	RL-TP13	RL-TP13
676	RL-I148				RL-I148	RL-TP13	RL-TP13
623B	RL-I148				RL-I148	RL-TP13	RL-TP13
3506C	RL-I148				RL-I148	RL-TP13	RL-TP13
3507	RL-I148				RL-I148	RL-TP13	RL-TP13
3220	RL-I148				RL-I148	RL-TP13	RL-TP13
4790A	RL-I148				RL-I148	RL-TP13	RL-TP13
6221NA	RL-I148				RL-I148	RL-TP13	RL-TP13
6223A	RL-I148				RL-I148	RL-TP13	RL-TP13
6224A	RL-I148				RL-I148	RL-TP13	RL-TP13
623A	RL-I148				RL-I148	RL-TP13	RL-TP13
623	RL-I148				RL-I148	RL-TP13	RL-TP13
Central Sanitary Landfill						RL-TP13	RL-TP13
Emergency Services	RL-I151 RL-TP13				RL-I151 RL-TP13	RL-TP13	RL-TP13
609	RL-I151				RL-I151	RL-TP13	RL-TP13
613	RL-I151				RL-I151	RL-TP13	RL-TP13
609A	RL-I151				RL-I151	RL-TP13	RL-TP13
609B	RL-I151				RL-I151	RL-TP13	RL-TP13
609C	RL-I151				RL-I151	RL-TP13	RL-TP13
609E	RL-I151				RL-I151	RL-TP13	RL-TP13
609G	RL-I151				RL-I151	RL-TP13	RL-TP13
609D	RL-I151				RL-I151	RL-TP13	RL-TP13
3709A	RL-I151				RL-I151	RL-TP13	RL-TP13
3709B	RL-I151				RL-I151	RL-TP13	RL-TP13
4704S	RL-I151				RL-I151	RL-TP13	RL-TP13
General Purpose Offices	RL-I13 RL-TP13				RL-I13 RL-TP13	RL-TP13	RL-TP13
2200B	RL-I13				RL-I131	RL-TP13	RL-TP13
2201B	RL-I13				RL-I131	RL-TP13	RL-TP13
2245B	RL-I13				RL-I131	RL-TP13	RL-TP13
2259W	RL-I13				RL-I13	RL-TP13	
2701EC	RL-I13					RL-TP13	RL-TP13
2701M	RL-I13						RL-TP13
2704S	RL-I13				RL-I131	RL-TP13	RL-TP13
2704W	RL-I13						RL-TP13
2707E	RL-I13				RL-I131	RL-TP13	RL-TP13
2707W	RL-I13				RL-I131	RL-TP13	RL-TP13
2710E	RL-I13				RL-I131	RL-TP13	RL-TP13
2710W	RL-I13				RL-I131	RL-TP13	RL-TP13

Table 4-56 Landlord Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
2713E	RL-I13						RL-TP13
2719EA	RL-I13				RL-I131	RL-TP13	RL-TP13
2719WB	RL-I13				RL-I131	RL-TP13	RL-TP13
2721E	RL-I13				RL-I131	RL-TP13	RL-TP13
2721EA	RL-I13				RL-I131	RL-TP13	RL-TP13
2722E	RL-I13						RL-TP13
2723W	RL-I13				RL-I131	RL-TP13	RL-TP13
2727E	RL-I13				RL-I131	RL-TP13	RL-TP13
272EA	RL-I13				RL-I131	RL-TP13	RL-TP13
274AW	RL-I13				RL-I131	RL-TP13	RL-TP13
2750E	RL-I13				RL-I131	RL-TP13	RL-TP13
2751E	RL-I13				RL-I131	RL-TP13	RL-TP13
2752E	RL-I13				RL-I131	RL-TP13	RL-TP13
2753E	RL-I13				RL-I131	RL-TP13	RL-TP13
278AW	RL-I13				RL-I131	RL-TP13	RL-TP13
278WA	RL-I13				RL-I131	RL-TP13	RL-TP13
604A	RL-I13				RL-I131	RL-TP13	RL-TP13
622G	RL-I13					RL-TP13	RL-TP13
MO011	RL-I13				RL-I131	RL-TP13	RL-TP13
MO012	RL-I13						RL-TP13
MO015	RL-I13				RL-I131	RL-TP13	RL-TP13
MO016	RL-I13				RL-I131	RL-TP13	RL-TP13
MO017	RL-I13				RL-I131	RL-TP13	RL-TP13
MO019	RL-I13				RL-I131	RL-TP13	RL-TP13
MO021	RL-I13						RL-TP13
MO027	RL-I13				RL-I131	RL-TP13	RL-TP13
MO028	RL-I13				RL-I131	RL-TP13	RL-TP13
MO029	RL-I13				RL-I131	RL-TP13	RL-TP13
MO031	RL-I13				RL-I131	RL-TP13	RL-TP13
MO032	RL-I13				RL-I131	RL-TP13	RL-TP13
MO037	RL-I13				RL-I131	RL-TP13	RL-TP13
MO039	RL-I13				RL-I131	RL-TP13	RL-TP13
MO040	RL-I13						RL-TP13
MO041	RL-I13				RL-I131	RL-TP13	RL-TP13
MO042	RL-I13						RL-TP13
MO043	RL-I13						RL-TP13
MO047	RL-I13						RL-TP13
MO108	RL-I13				RL-I13	RL-TP13	
MO112	RL-I13				RL-I131	RL-TP13	RL-TP13
MO204	RL-I13						RL-TP13
MO206	RL-I13				RL-I131	RL-TP13	RL-TP13
MO211	RL-I13				RL-I131	RL-TP13	RL-TP13
MO215	RL-I13				RL-I131	RL-TP13	RL-TP13
MO227	RL-I13						RL-TP13
MO232	RL-I13				RL-I131	RL-TP13	RL-TP13
MO234	RL-I13				RL-I131	RL-TP13	RL-TP13
MO235	RL-I13				RL-I131	RL-TP13	RL-TP13
MO240	RL-I13				RL-I131	RL-TP13	RL-TP13
MO244	RL-I13				RL-I131	RL-TP13	RL-TP13
MO245	RL-I13				RL-I131	RL-TP13	RL-TP13
MO246	RL-I13				RL-I131	RL-TP13	RL-TP13
MO247	RL-I13				RL-I131	RL-TP13	RL-TP13
MO248	RL-I13				RL-I131	RL-TP13	RL-TP13
MO249	RL-I13				RL-I131	RL-TP13	RL-TP13
MO250	RL-I13				RL-I131	RL-TP13	RL-TP13
MO251	RL-I13				RL-I131	RL-TP13	RL-TP13
MO252	RL-I13				RL-I131	RL-TP13	RL-TP13
MO253	RL-I13				RL-I131	RL-TP13	RL-TP13
MO254	RL-I13				RL-I131	RL-TP13	RL-TP13
MO255	RL-I13				RL-I131	RL-TP13	RL-TP13
MO256	RL-I13				RL-I131	RL-TP13	RL-TP13
MO257	RL-I13				RL-I131	RL-TP13	RL-TP13
MO266	RL-I13				RL-I131	RL-TP13	RL-TP13
MO267	RL-I13				RL-I131	RL-TP13	RL-TP13
MO268	RL-I13				RL-I131	RL-TP13	RL-TP13
MO272	RL-I13				RL-I131	RL-TP13	RL-TP13
MO273	RL-I13				RL-I131	RL-TP13	RL-TP13
MO276	RL-I13				RL-I131	RL-TP13	RL-TP13

Table 4-56 Landlord Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
MO277	RL-I13				RL-I131	RL-TP13	RL-TP13
MO280	RL-I13				RL-I131	RL-TP13	RL-TP13
MO281	RL-I13				RL-I131	RL-TP13	RL-TP13
MO282	RL-I13				RL-I131	RL-TP13	RL-TP13
MO283	RL-I13				RL-I131	RL-TP13	RL-TP13
MO284	RL-I13				RL-I131	RL-TP13	RL-TP13
MO285	RL-I13				RL-I131	RL-TP13	RL-TP13
MO286	RL-I13				RL-I131	RL-TP13	RL-TP13
MO287	RL-I13				RL-I131	RL-TP13	RL-TP13
MO291	RL-I13				RL-I131	RL-TP13	RL-TP13
MO292	RL-I13				RL-I131	RL-TP13	RL-TP13
MO294	RL-I13				RL-I131	RL-TP13	RL-TP13
MO314	RL-I13				RL-I131	RL-TP13	RL-TP13
MO346	RL-I13					RL-TP13	RL-TP13
MO351	RL-I13				RL-I131	RL-TP13	RL-TP13
MO354	RL-I13				RL-I131	RL-TP13	RL-TP13
MO369	RL-I13						RL-TP13
MO377	RL-I13				RL-I131	RL-TP13	RL-TP13
MO384	RL-I13				RL-I131	RL-TP13	RL-TP13
MO386	RL-I13				RL-I131	RL-TP13	RL-TP13
MO388	RL-I13				RL-I131	RL-TP13	RL-TP13
MO393	RL-I13						RL-TP13
MO398	RL-I13				RL-I131	RL-TP13	RL-TP13
MO400	RL-I13				RL-I131	RL-TP13	RL-TP13
MO406	RL-I13				RL-I131	RL-TP13	RL-TP13
MO407	RL-I13				RL-I131	RL-TP13	RL-TP13
MO408	RL-I13				RL-I131	RL-TP13	RL-TP13
MO410	RL-I13				RL-I131	RL-TP13	RL-TP13
MO412	RL-I13				RL-I131	RL-TP13	RL-TP13
MO413	RL-I13				RL-I131	RL-TP13	RL-TP13
MO414	RL-I13				RL-I131	RL-TP13	RL-TP13
MO434	RL-I13				RL-I131	RL-TP13	RL-TP13
MO441	RL-I13				RL-I13	RL-TP13	
MO454	RL-I13				RL-I131	RL-TP13	RL-TP13
MO465	RL-I13				RL-I131	RL-TP13	RL-TP13
MO535	RL-I13						RL-TP13
MO556	RL-I13				RL-I131	RL-TP13	RL-TP13
MO560	RL-I13						RL-TP13
MO569	RL-I13				RL-I131	RL-TP13	RL-TP13
MO570	RL-I13				RL-I131	RL-TP13	RL-TP13
MO571	RL-I13				RL-I131	RL-TP13	RL-TP13
MO573	RL-I13				RL-I131	RL-TP13	RL-TP13
MO574	RL-I13				RL-I131	RL-TP13	RL-TP13
MO674	RL-I13					RL-TP13	RL-TP13
MO717	RL-I13				RL-I131	RL-TP13	RL-TP13
MO718	RL-I13				RL-I131	RL-TP13	RL-TP13
MO722	RL-I13				RL-I131	RL-TP13	RL-TP13
MO816	RL-I13				RL-I131	RL-TP13	RL-TP13
MO831	RL-I13				RL-I131	RL-TP13	RL-TP13
MO832	RL-I13				RL-I131	RL-TP13	RL-TP13
MO833	RL-I13				RL-I131	RL-TP13	RL-TP13
MO835	RL-I13						RL-TP13
MO837	RL-I13				RL-I131	RL-TP13	RL-TP13
MO840	RL-I13				RL-I131	RL-TP13	RL-TP13
MO841	RL-I13				RL-I131	RL-TP13	RL-TP13
MO844	RL-I13				RL-I131	RL-TP13	RL-TP13
MO845	RL-I13				RL-I13	RL-TP13	
MO847	RL-I13				RL-I131	RL-TP13	RL-TP13
MO848	RL-I13				RL-I131	RL-TP13	RL-TP13
MO849	RL-I13				RL-I131	RL-TP13	RL-TP13
MO852	RL-I13				RL-I13	RL-TP13	
MO853	RL-I13				RL-I131		RL-TP13
MO858	RL-I13				RL-I131	RL-TP13	RL-TP13
MO862	RL-I13				RL-I131	RL-TP13	RL-TP13
MO863	RL-I13					RL-TP13	RL-TP13
MO890	RL-I13				RL-I131	RL-TP13	RL-TP13
MO904	RL-I13				RL-I131	RL-TP13	RL-TP13
MO906	RL-I13				RL-I131	RL-TP13	RL-TP13

Table 4-56 Landlord Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
MO909	RL-I13					RL-TP13	RL-TP13
MO919	RL-I13				RL-I131	RL-TP13	RL-TP13
MO924	RL-I13				RL-I131	RL-TP13	RL-TP13
MO927	RL-I13						RL-TP13
MO931	RL-I13				RL-I13	RL-TP13	
MO934	RL-I13						RL-TP13
MO936	RL-I13					RL-TP13	RL-TP13
MO939	RL-I13				RL-I131	RL-TP13	RL-TP13
MO943	RL-I13				RL-I131	RL-TP13	RL-TP13
MO946	RL-I13				RL-I13	RL-TP13	
MO947	RL-I13					RL-TP13	RL-TP13
MO948	RL-I13				RL-I13	RL-TP13	
MO953	RL-I13				RL-I131	RL-TP13	RL-TP13
MO955	RL-I13						RL-TP13
MO956	RL-I13				RL-I131	RL-TP13	RL-TP13
MO958	RL-I13				RL-I131	RL-TP13	RL-TP13
MO959	RL-I13				RL-I131	RL-TP13	RL-TP13
MO961	RL-I13				RL-I131	RL-TP13	RL-TP13
MO962	RL-I13				RL-I131	RL-TP13	RL-TP13
MO964	RL-I13				RL-I131	RL-TP13	RL-TP13
MO966	RL-I13				RL-I131	RL-TP13	RL-TP13
MO967	RL-I13				RL-I131	RL-TP13	RL-TP13
MO968	RL-I13				RL-I131	RL-TP13	RL-TP13
MO972	RL-I13				RL-I13	RL-TP13	
MO975	RL-I13				RL-I131	RL-TP13	RL-TP13
MO976	RL-I13				RL-I131	RL-TP13	RL-TP13
MO977	RL-I13				RL-I131	RL-TP13	RL-TP13
MO990	RL-I13						RL-TP13
MO994	RL-I13						RL-TP13
MO996	RL-I13				RL-I131	RL-TP13	RL-TP13
MO997	RL-I13					RL-TP13	RL-TP13
328	RL-I13				RL-I131	RL-TP13	RL-TP13
3705	RL-I13				RL-I131	RL-TP13	RL-TP13
3719	RL-I13				RL-I131	RL-TP13	RL-TP13
3763	RL-I13				RL-I131	RL-TP13	RL-TP13
3766	RL-I13				RL-I131	RL-TP13	RL-TP13
3768	RL-I13				RL-I131	RL-TP13	RL-TP13
3769	RL-I13					RL-TP13	RL-TP13
3770	RL-I13				RL-I131	RL-TP13	RL-TP13
3790	RL-I13				RL-I131	RL-TP13	RL-TP13
339A	RL-I13				RL-I131	RL-TP13	RL-TP13
3701C	RL-I13				RL-I131	RL-TP13	RL-TP13
3701	RL-I13				RL-I131	RL-TP13	RL-TP13
3701D	RL-I13					RL-TP13	RL-TP13
3701U	RL-I13						RL-TP13
3703A	RL-I13				RL-I131	RL-TP13	RL-TP13
3707H	RL-I13				RL-I131	RL-TP13	RL-TP13
3719A	RL-I13						RL-TP13
3746D	RL-I13				RL-I131	RL-TP13	RL-TP13
MO026	RL-I13				RL-I131	RL-TP13	RL-TP13
MO264	RL-I13				RL-I131	RL-TP13	RL-TP13
MO337	RL-I13				RL-I131	RL-TP13	RL-TP13
MO557	RL-I13				RL-I131	RL-TP13	RL-TP13
MO558	RL-I13				RL-I131	RL-TP13	RL-TP13
MO830	RL-I13				RL-I131	RL-TP13	RL-TP13
MO842	RL-I13				RL-I131	RL-TP13	RL-TP13
4702	RL-I13				RL-I131	RL-TP13	RL-TP13
4706	RL-I13				RL-I131	RL-TP13	RL-TP13
4707	RL-I13				RL-I131	RL-TP13	RL-TP13
4719	RL-I13					RL-TP13	RL-TP13
4790	RL-I13				RL-I131	RL-TP13	RL-TP13
4701B	RL-I13					RL-TP13	RL-TP13
MO353	RL-I13						RL-TP13
MO378	RL-I13						RL-TP13
MO379	RL-I13						RL-TP13
MO908	RL-I13						RL-TP13
662	RL-I13				RL-I131	RL-TP13	RL-TP13
6701	RL-I13				RL-I131	RL-TP13	RL-TP13

Table 4-56 Landlord Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
604F	RL-I13						RL-TP13
661A	RL-I13				RL-I131	RL-TP13	RL-TP13
662A	RL-I13				RL-I131	RL-TP13	RL-TP13
6701A	RL-I13				RL-I131	RL-TP13	RL-TP13
6701B	RL-I13				RL-I131	RL-TP13	RL-TP13
MO001	RL-I13				RL-I131	RL-TP13	RL-TP13
MO002	RL-I13				RL-I131	RL-TP13	RL-TP13
MO222	RL-I13				RL-I131	RL-TP13	RL-TP13
MO302	RL-I13				RL-I131	RL-TP13	RL-TP13
MO368	RL-I13				RL-I131	RL-TP13	RL-TP13
MO917	RL-I13				RL-I131	RL-TP13	RL-TP13
712B	RL-I13				RL-I131	RL-TP13	RL-TP13
747B	RL-I13				RL-I131	RL-TP13	RL-TP13
747	RL-I13					RL-TP13	RL-TP13
703	RL-I13				RL-I13	RL-TP13	RL-TP13
712	RL-I13				RL-I131	RL-TP13	RL-TP13
1170	RL-I13				RL-I13	RL-TP13	
1167A	RL-I13				RL-I13	RL-TP13	
MO370	RL-I13				RL-I131	RL-TP13	RL-TP13
MO404	RL-I13				RL-I13	RL-TP13	
MO916	RL-I13				RL-I13	RL-TP13	
MO938	RL-I13				RL-I13	RL-TP13	
MO940	RL-I13				RL-I13	RL-TP13	
MO396	RL-I13				RL-I131	RL-TP13	RL-TP13
MO851	RL-I13				RL-I131	RL-TP13	RL-TP13
3707D	RL-I13					RL-TP13	RL-TP13
MO103	RL-I13					RL-TP13	RL-TP13
MO105	RL-I13					RL-TP13	RL-TP13
MO543	RL-I13				RL-I131	RL-TP13	RL-TP13
748	RL-I13				RL-I13	RL-TP13	RL-TP13
3226	RL-I13				RL-I131	RL-TP13	RL-TP13
3227	RL-I13				RL-I131	RL-TP13	RL-TP13
3228	RL-I13				RL-I131	RL-TP13	RL-TP13
General Purpose Shops	RL-I14 RL-TP13				RL-I14 RL-TP13	RL-TP13	RL-TP13
6290	RL-I14				RL-I14	RL-TP13	RL-TP13
221A	RL-I14				RL-I14	RL-TP13	RL-TP13
2242B	RL-I14				RL-I14	RL-TP13	RL-TP13
2244B	RL-I14				RL-I14	RL-TP13	RL-TP13
2300W	RL-I14				RL-I14	RL-TP13	RL-TP13
2301W	RL-I14				RL-I14	RL-TP13	RL-TP13
2311W	RL-I14				RL-I14	RL-TP13	RL-TP13
2317W	RL-I14				RL-I14	RL-TP13	RL-TP13
2247B	RL-I14				RL-I14	RL-TP13	RL-TP13
2318W	RL-I14				RL-I14	RL-TP13	RL-TP13
2309W	RL-I14				RL-I14	RL-TP13	RL-TP13
2308W	RL-I14				RL-I14	RL-TP13	RL-TP13
2304W	RL-I14				RL-I14	RL-TP13	RL-TP13
242AC	RL-I14				RL-I14	RL-TP13	RL-TP13
2711EA	RL-I14				RL-I14	RL-TP13	RL-TP13
2711EB	RL-I14				RL-I14	RL-TP13	RL-TP13
2715EC	RL-I14					RL-TP13	RL-TP13
272E	RL-I14						RL-TP13
274E	RL-I14				RL-I14	RL-TP13	RL-TP13
275E	RL-I14				RL-I14	RL-TP13	RL-TP13
277A	RL-I14				RL-I14	RL-TP13	RL-TP13
MO048	RL-I14				RL-I14	RL-TP13	RL-TP13
272W	RL-I14				RL-I14	RL-TP13	RL-TP13
275W	RL-I14				RL-I14	RL-TP13	RL-TP13
277W	RL-I14				RL-I14	RL-TP13	RL-TP13
2728W	RL-I14				RL-I14	RL-TP13	RL-TP13
2722W	RL-I14						RL-TP13
2238E	RL-I14					RL-TP13	RL-TP13
2239E	RL-I14					RL-TP13	RL-TP13
2240E	RL-I14					RL-TP13	RL-TP13
2262W	RL-I14					RL-TP13	RL-TP13
2237E	RL-I149				RL-I149	RL-TP13	RL-TP13
3709	RL-I14				RL-I14	RL-TP13	RL-TP13

Table 4-56 Landlord Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
3713	RL-I14				RL-I14	RL-TP13	RL-TP13
3721	RL-I14				RL-I14	RL-TP13	RL-TP13
3722	RL-I14					RL-TP13	RL-TP13
305A	RL-I14				RL-I14	RL-TP13	RL-TP13
305P	RL-I14				RL-I14	RL-TP13	RL-TP13
305	RL-I14				RL-I14	RL-TP13	RL-TP13
328A	RL-I14				RL-I14	RL-TP13	RL-TP13
327E	RL-I14				RL-I14	RL-TP13	RL-TP13
3506A	RL-I14				RL-I14	RL-TP13	RL-TP13
3506B	RL-I14				RL-I14	RL-TP13	RL-TP13
3718N	RL-I14				RL-I14	RL-TP13	RL-TP13
4760	RL-I14				RL-I14	RL-TP13	RL-TP13
4704N	RL-I14				RL-I14	RL-TP13	RL-TP13
4722B	RL-I14				RL-I14	RL-TP13	RL-TP13
4722C	RL-I14				RL-I14	RL-TP13	RL-TP13
4734B	RL-I14				RL-I14	RL-TP13	RL-TP13
1171	RL-I14				RL-I14	RL-TP13	
1171A	RL-I14				RL-I14	RL-TP13	
1171B	RL-I14				RL-I14	RL-TP13	
3221	RL-I14				RL-I14	RL-TP13	RL-TP13
3231	RL-I14				RL-I14	RL-TP13	RL-TP13
General Purpose Warehouses	RL-I149 RL-TP13				RL-I149 RL-TP13	RL-TP13	RL-TP13
2101HV	RL-I149				RL-I149	RL-TP13	RL-TP13
213K	RL-I149				RL-I149	RL-TP13	RL-TP13
604G	RL-I149						RL-TP13
604H	RL-I149				RL-I149	RL-TP13	RL-TP13
MO315	RL-I149				RL-I149	RL-TP13	RL-TP13
MO376	RL-I149				RL-I149	RL-TP13	RL-TP13
MO944	RL-I149				RL-I149	RL-TP13	RL-TP13
2101M	RL-I149				RL-I149	RL-TP13	RL-TP13
2241B	RL-I149				RL-I149	RL-TP13	RL-TP13
2249B	RL-I149				RL-I149	RL-TP13	RL-TP13
2314W	RL-I149				RL-I149	RL-TP13	RL-TP13
2310W	RL-I149				RL-I149	RL-TP13	RL-TP13
2711E	RL-I149				RL-I149	RL-TP13	RL-TP13
2312W	RL-I149				RL-I149	RL-TP13	RL-TP13
2307W	RL-I149				RL-I149	RL-TP13	RL-TP13
2313W	RL-I149				RL-I149	RL-TP13	RL-TP13
2306W	RL-I149				RL-I149	RL-TP13	RL-TP13
2315W	RL-I149				RL-I149	RL-TP13	RL-TP13
2316W	RL-I149				RL-I149	RL-TP13	RL-TP13
2715E	RL-I149						RL-TP13
2715ED	RL-I149				RL-I149	RL-TP13	RL-TP13
2715WA	RL-I149				RL-I149	RL-TP13	RL-TP13
2715M	RL-I149						RL-TP13
2716E	RL-I149				RL-I149	RL-TP13	RL-TP13
2719E	RL-I149						RL-TP13
272BC	RL-I149				RL-I149	RL-TP13	RL-TP13
2734EA	RL-I149				RL-I149		RL-TP13
273E	RL-I149				RL-I149	RL-TP13	RL-TP13
275EA	RL-I149						RL-TP13
MO965	RL-I149				RL-I149	RL-TP13	RL-TP13
MO974	RL-I149				RL-I149	RL-TP13	RL-TP13
2724WB	RL-I149				RL-I149	RL-TP13	RL-TP13
283WE	RL-I149				RL-I149	RL-TP13	RL-TP13
273W	RL-I149				RL-I149	RL-TP13	RL-TP13
MO716	RL-I149				RL-I149	RL-TP13	RL-TP13
MO973	RL-I149				RL-I149	RL-TP13	RL-TP13
X8	RL-I149				RL-I149	RL-TP13	RL-TP13
212N	RL-I149				RL-I149		RL-TP13
212R	RL-I149				RL-I149		RL-TP13
607	RL-I149						RL-TP13
2251E	RL-I149				RL-I149	RL-TP13	RL-TP13
2252E	RL-I149				RL-I149	RL-TP13	RL-TP13
2253E	RL-I149				RL-I149	RL-TP13	RL-TP13
2254E	RL-I149				RL-I149	RL-TP13	RL-TP13
2255E	RL-I149				RL-I149	RL-TP13	RL-TP13

Table 4-56 Landlord Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
2256E	RL-I149				RL-I149	RL-TP13	RL-TP13
2257E	RL-I149				RL-I149	RL-TP13	RL-TP13
2233E	RL-I149				RL-I149	RL-TP13	RL-TP13
2234E	RL-I149				RL-I149	RL-TP13	RL-TP13
2231E	RL-I149				RL-I149	RL-TP13	RL-TP13
2232E	RL-I149				RL-I149	RL-TP13	RL-TP13
2263W	RL-I149				RL-I149	RL-TP13	RL-TP13
2264W	RL-I149				RL-I149	RL-TP13	RL-TP13
2265W	RL-I149				RL-I149	RL-TP13	RL-TP13
2230E	RL-I149				RL-I149	RL-TP13	RL-TP13
2235E	RL-I149				RL-I149	RL-TP13	RL-TP13
2236E	RL-I149				RL-I149	RL-TP13	RL-TP13
2258E	RL-I149				RL-I149	RL-TP13	RL-TP13
MO502					RL-I14	RL-TP13	RL-TP13
MO503					RL-I14	RL-TP13	RL-TP13
MO504					RL-I14	RL-TP13	RL-TP13
3704	RL-I149				RL-I149	RL-TP13	RL-TP13
3711	RL-I149				RL-I149	RL-TP13	RL-TP13
3715	RL-I149				RL-I149	RL-TP13	RL-TP13
3717	RL-I149				RL-I149	RL-TP13	RL-TP13
3727	RL-I149				RL-I149	RL-TP13	RL-TP13
3718C	RL-I149				RL-I149	RL-TP13	RL-TP13
4734D	RL-I149					RL-TP13	RL-TP13
MO536	RL-I149				RL-I149	RL-TP13	RL-TP13
1161	RL-I149				RL-I149	RL-TP13	
1162	RL-I149				RL-I149	RL-TP13	
1164	RL-I149				RL-I149	RL-TP13	
1167	RL-I149				RL-I149	RL-TP13	
1168	RL-I149				RL-I149	RL-TP13	
1169	RL-I149				RL-I149	RL-TP13	
1173	RL-I149				RL-I149	RL-TP13	
1175	RL-I149				RL-I149	RL-TP13	
1176	RL-I149				RL-I149	RL-TP13	
1177	RL-I149				RL-I149	RL-TP13	
1179	RL-I149				RL-I149	RL-TP13	
11201	RL-I149				RL-I149	RL-TP13	RL-TP13
1171C	RL-I149				RL-I149	RL-TP13	
1163	RL-I149				RL-I149	RL-TP13	
X4	RL-I149				RL-I149	RL-TP13	
1174	RL-I149				RL-I149	RL-TP13	
1172A	RL-I149				RL-I149	RL-TP13	
X1	RL-I149				RL-I149	RL-TP13	
3222	RL-I149				RL-I149	RL-TP13	RL-TP13
3223	RL-I149				RL-I149	RL-TP13	RL-TP13
3224	RL-I149				RL-I149	RL-TP13	RL-TP13
3225	RL-I149				RL-I149	RL-TP13	RL-TP13
3229	RL-I149				RL-I149	RL-TP13	RL-TP13
3232	RL-I149				RL-I149	RL-TP13	RL-TP13
3234	RL-I149				RL-I149	RL-TP13	RL-TP13
3235	RL-I149				RL-I149	RL-TP13	RL-TP13
3707E	RL-I149				RL-I149	RL-TP13	RL-TP13
Environmental Support Facilities	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
RoR Environmental Support Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
100EMS	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
1614-D-3	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
CP Environmental Support Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
213J	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
614	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
614BYRL	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13

Table 4-56 Landlord Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
622A	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
622B	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
622C	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
622D							RL-TP13
622F							RL-TP13
622R					RL-ST01 RL-TP13	RL-TP13	RL-TP13
646					USF&W	RL-TP13	RL-TP13
S600 Environmental Support Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
6652C	RL-ST01					RL-ST01	RL-TP13
6652CSHED	RL-ST01					RL-ST01	RL-TP13
6652D	RL-ST01					RL-ST01	RL-TP13
6652DOME1	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
6652DOME2	RL-ST01					RL-ST01	RL-TP13
6652E	RL-ST01				RL-ST01 RL-TP13	RL-ST01	RL-TP13
6652G	RL-ST01					RL-ST01	RL-TP13
6652I	RL-ST01					RL-ST01	RL-TP13
6652J	RL-ST01					RL-ST01	RL-TP13
6652K					USF&W	RL-TP13	RL-TP13
6652L	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
6652M	RL-ST01					RL-ST01	RL-TP13
6652T (6652LP)						RL-ST01	RL-TP13
6652O					USF&W	RL-TP13	RL-TP13
6652PH					USF&W	RL-TP13	RL-TP13
6652UP	RL-ST01					RL-ST01	RL-TP13
300EMS	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
400EMS	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3614A	RL-ST01					RL-ST01 RL-TP13	RL-TP13
747A	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
747A Tr1	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3717B					RL-I145	RL-TP13	RL-TP13
303J	RL-ST01				RL-ST01 RL-TP13	RL-ST01 RL-TP13	RL-TP13
3718A	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3718B	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3718P	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3718S	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
337	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3746						RL-TP13	RL-TP13
3760	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
MO226	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
MO010						RL-TP13	RL-TP13

Table 4-56 Landlord Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
350	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
350B	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
350C	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
Rail System						RL-TP13	RL-TP13
Land	RL-TP13				RL-TP13	RL-TP13	RL-TP13
Road System	RL-I124 RL-TP13				RL-I124 RL-TP13	RL-TP13	RL-TP13

* RL PBS Identifier Index:

Cogema - Cogema
RL-ER02 - 200 Area Source Remedial Action
RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-ER10 - ER Program Management and Support
RL-I111 - Steam Utilities
RL-I112 - Water Utilities
RL-I113 - Liquid Sanitary Waste Utilities
RL-I114 - Electrical Utilities
RL-I123 - Transportation Services
RL-I124 - Road and Grounds Maintenance
RL-I13 - General Purpose Facilities
RL-I131 - Government Owned Offices
RL-I14 - Infrastructure Services
RL-I145 - Calibration Labs
RL-I148 - Information Resource Management
RL-I149 - Asset Management
RL-I151 - Fire Protection Program
RL-MS01 - FFTF Project
RL-OT01 - Mission Support - Other Multi-Year Program
RL-ST01 - PNNL Waste Management
RL-TP03 - PUREX
RL-TP04 - 300 Area/SNM
RL-TP05 - PFP
RL-TP10 - Accelerated Deactivation
RL-TP13 - Landlord
RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization
RL-WM05 - Liquid Effluents
USF&W - U.S. Fish and Wildlife

TABLE 4-57 Landlord Project Facility Life-Cycle Responsibility Assignments for Waste Sites

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
RoR Soil Site Operable Units	Active		RL-ER01 RL-ER05	RL-ER01 RL-ER07 RL-ER09
100-B-2, 181-B Backwash Trench, Backwash Trench, Undocumented Liquid Waste Site	Active	RL-TP13	RL-ER01	RL-ER01
100-B-3, Hot Thimble Burial Ground, Undocumented Solid Waste Site	Active	RL-TP13	RL-ER01	RL-ER01
1607-B4, 1607-B4 Septic Tank System, 124-B-6, 1607-B4 Sanitary Sewer System, 1607-B4 Septic Tank	Active	RL-TP13	RL-ER01	RL-ER01
1607-B5, 1607-B5 Septic Tank System, 1607-B4, 1607-B4 Septic Tank System, 124-B-4, 1607-B4 Sanitary Sewer System	Active	RL-TP13	RL-ER01	RL-ER01

TABLE 4-57 Landlord Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
1607-B6, 1607-B6 Septic Tank System, 1607-B5, 1607-B5 Septic Tank System, 124-B-5, 1607-B5 Sanitary Sewer System	Active	RL-TP13	RL-ER01	RL-ER01
600-230, RCRA General Inspection 200WFY97 Item #4 Historic Disposal Site	Active	RL-TP13	RL-ER01	RL-ER01
600-231, RCRA General Inspection 200WFY97 Item #5 Historic Disposal Site	Rejected(Proposed)	RL-TP13		
600-253, Gravel Pit #24	Rejected(Proposed)	RL-TP13		
600-56, Pre-Hanford Farm Site, Undocumented Solid Waste Site	Rejected	RL-TP13		
600-67, Bruggemann's Fruit Storage Warehouse	Active	RL-TP13	RL-ER01	RL-ER01
100-C-4, Export Water Line Valve Pit	Rejected	RL-TP13		
600-232, 100B Electrical Laydown Area	Active	RL-TP13	RL-ER01	RL-ER01
600-233, Vertical Pipe Near 100B Electrical Laydown Area	Rejected(Proposed)	RL-TP13		
600-252, Old Tank from RCRA General Inspection #LORIVFY97 Item #8	Rejected(Proposed)	RL-TP13		
1607-D5, 1607-D5 Septic Tank and Associated Drain Field, 124-D-5, 1607-D5 Sanitary Sewer System, 1607-D5 Septic Tank	Active	RL-TP13	RL-ER01	RL-ER01
100-D-27, 151-D Substation UPR, A-2 Substation Transformer #A401C Leak	Active	RL-TP13	RL-ER01	RL-ER01
100-D-36, Undocumented Concrete Pad, Monitoring Station 1614-D-1, 100-N-20	Rejected	RL-TP13		
100-D-37, Undocumented Concrete Pad, 1614-D-3 Monitoring Station	Rejected	RL-TP13		
100-D-55, Gravel Pit #21	Rejected(Proposed)	RL-TP13		
1607-D3, 1607-D3 Septic Tank and Associated Drain Field, 1607-D3 Sanitary Sewer System, 1607-D3 Septic Tank	Active	RL-TP13	RL-ER01	RL-ER01
100-F-32, 1717-F Underground Fuel Oil Tanks	Rejected	RL-TP13		
100-F-28, Septic Tank and Drainfield	Active	RL-TP13	RL-ER01	RL-ER01
100-H-24, 151-H Electrical Facilities, 151-H Substation	Active	RL-TP13	RL-ER01	RL-ER01
600-151, Dumping Areas 50 yds and 200 yds Downstream of River Mile 14, Military installation NW of 100H Area	Active	RL-TP13	RL-ER01	RL-ER01
600-152, Military Septic Tanks	Active	RL-TP13	RL-ER01	RL-ER01
600-101, RRCWP, Riverland Railroad Car Wash Pit	Deleted from NPL	RL-TP13	RL-ER01	
600-102, 600 AMBS, 600 Area Army Munitions Burial Site	Deleted from NPL	RL-TP13	RL-ER01	
600-140, Gunny Sacks south of H-70 Antiaircraft Site	Rejected	RL-TP13		
600-141, Barrels South of H-70 Antiaircraft Site	Rejected	RL-TP13		
600-142, Car Body at McGee Ranch Fish Farm	Rejected	RL-TP13	RL-ER01	RL-ER01
600-143, Car body at Ford Well	Rejected	RL-TP13		
600-144, Car Body near top of Umptanum Ridge	Rejected	RL-TP13		
600-234, RCRA General Inspection 200WFY97 Item #11 Historic Disposal Site	Rejected(Proposed)	RL-TP13		
600-10, MIL - H-12C, "Battery B" Nike Missile Control Center	Deleted from NPL	RL-TP13	RL-ER01	
600-104, USBR, USBR 2,4-D Burial Site, USBR-2.4-D	Deleted from NPL	RL-TP13	RL-ER01	
600-11, MIL - H-81R	Deleted from NPL	RL-TP13	RL-ER01	
600-12, MIL - H-83C, Battery "C" Control Center	Deleted from NPL	RL-TP13	RL-ER01	
600-13, MIL - H-83L, Battery "C" Launch Site	Deleted from NPL	RL-TP13	RL-ER01	
600-14, MIL - PSN 01	Deleted from NPL	RL-TP13	RL-ER01	
600-15, MIL - PSN 04	Deleted from NPL	RL-TP13	RL-ER01	
600-154, Remains of Windmill, RCRA General Inspection HIRIV-FY96 Item #6	Rejected	RL-TP13		
600-16, MIL - PSN 07/10, PSN 10, H-07-H, Base Camp 500	Deleted from NPL	RL-TP13	RL-ER01	
600-17, MIL - PSN 12/14 Site and Military Dump, Tent Camp 505, PSN 12, H-14	Deleted from NPL	RL-TP13	RL-ER01	

TABLE 4-57 Landlord Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
600-18, MIL - PSN 72/82, PSN 72, H-82, Tent Camp 515	Deleted from NPL	RL-TP13	RL-ER01	
600-19, MIL - PSN 90, H-90, Base Camp 410	Deleted from NPL	RL-TP13	RL-ER01	
600-229, RCRA General Inspection 200WFY97 Item #21 Historic Disposal Site, Dumping Area Near White Bluffs Ferry Landing (East Side)	Rejected	RL-TP13		
600-6, MIL - H-12-L, "Battery B" Nike Missile Launch Site	Deleted from NPL	RL-TP13	RL-ER01	
600-7, Nike Asbestos Pipe Site, Concrete/Asbestos Pipe Site	Deleted from NPL	RL-TP13	RL-ER01	
600-72, Wahluke Slope H-12-R Debris Site, H-12R	Deleted from NPL	RL-TP13	RL-ER01	
600-73, Wahluke Slope Igloo Sites	Deleted from NPL	RL-TP13	RL-ER01	
600-74, Wahluke Slope PSN 12/14 Military Construction Dump, Motor Pool Dump	Deleted from NPL	RL-TP13	RL-ER01	
600-75, Wahluke Slope PSN 80 Debris Site	Deleted from NPL	RL-TP13	RL-ER01	
600-76, Wahluke Slope "Radar" Site, Underground Rooms	Deleted from NPL	RL-TP13	RL-ER01	
600-77, Wahluke Slope Shrapnel Sites, Antiaircraft Gun Shrapnel Sites 1, 2, 3	Deleted from NPL	RL-TP13	RL-ER01	
600-78, Power Pole 12-3 Cistern, 12-3 Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-79, Wahluke Slope Clay Pit Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-8, MIL - H-06C, Control Center for "Battery A" Nike Missile, Wahluke Slope Nike Missile Base, WSNMB, 600-103 (Part)	Deleted from NPL	RL-TP13	RL-ER01	
600-80, Wahluke Slope Cow Camp Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-81, Wahluke Slope Homestead Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-82, Wahluke Slope Overlook Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-83, Wahluke Slope Stock Tank Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-84, Wahluke Slope Wagon Road Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-85, Wahluke Slope Stove Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-86, Wahluke Slope Wasteway Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-87, Wahluke Slope Dune Homestead	Deleted from NPL	RL-TP13	RL-ER01	
600-88, Wahluke Slope Lonetree Homestead	Deleted from NPL	RL-TP13	RL-ER01	
600-89, Wahluke Slope Asphalt Batch Plant	Deleted from NPL	RL-TP13	RL-ER01	
600-9, MIL - H-06L, Battery "A" Nike Missile Installation Launch Site, Wahluke Slope Nike Missile Base, WSNM, 600-103 (Part)	Deleted from NPL	RL-TP13		
600-90, Wahluke Slope Coyote Bait Can/Bait Station	Deleted from NPL	RL-TP13	RL-ER01	
600-91, Wahluke Slope Gravel Pit #47	Deleted from NPL	RL-TP13	RL-ER01	
600-92, Wahluke Slope Gravel Pit #56, Borrow Pit #56	Deleted from NPL	RL-TP13	RL-ER01	
600-93, Hanford Firing Range	Deleted from NPL	RL-TP13	RL-ER01	
600-94, Wahluke Schoolhouse	Deleted from NPL	RL-TP13	RL-ER01	
600-95, Wahluke Slope Bridge Disposal Area, Bridge Overlook Site	Deleted from NPL	RL-TP13	RL-ER01	
600-105, SDBDL, Sodium Dichromate Barrel Disposal Landfill	Closed Out	RL-TP13		

TABLE 4-57 Landlord Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
600-106, WBPAC, White Bluffs Pickling Acid Cribs, White Bluff Pickling Acid Cribs	Closed Out	RL-TP13		
600-153, Dumping Area Between River Mile Markers 29 and 30	Rejected(Proposed)	RL-TP13		
600-239, Debris in Pit 16, Hanford Aggregate Pit Debris, 615 Hot Mix Plant Debris	Rejected(Proposed)	RL-TP13		
600-240, Debris in Pit 17, Hanford Aggregate Pit Debris, 615 Hot Mix Plant Debris	Rejected(Proposed)	RL-TP13		
600-250, Metal Debris from RCRA General Inspection #LORIVFY97 Item #4	Rejected(Proposed)	RL-TP13		
600-251, Steel Pipe from RCRA General Inspection #LORIVFY97 Item #6	Rejected(Proposed)	RL-TP13		
124-N-10, 124-N-10 Sanitary Sewer System, 100-N Central Sewer System No. 10, Project H-677	Active	RL-TP13	RL-ER01	RL-ER01
600-32, N Area Landfill	Active	RL-TP13	RL-ER01	RL-ER01
CP Soil Site Operable Units	Active		RL-ER02 RL-ER05	RL-ER02 RL-ER07
200-E-47, RCRA Permit General Inspection #200EFY96 Item #7	Rejected(Proposed)	RL-TP13		
600-156, Construction Debris Dump Site	Active	RL-TP13	RL-ER02	RL-ER02
200-E-48; RCRA Permit General Inspection #200EFY96 Item #15	Rejected(Proposed)	RL-TP13		
200-E PD 200-E Powerhouse Ditch, 200 East Powerhouse Pond	Active	RL-TP13	RL-ER02	RL-ER02
CTFN 2703-E, Chemical Tile Field North of 2703-E	Active	RL-TP13	RL-ER02	RL-ER02
200-W PP, 200-W Powerhouse Pond, 200 West Powerhouse Ponds, 284-W-B	Active	RL-TP13	RL-ER02	RL-ER02
200-W-19, Steam Line Asbestos Release	Rejected(Proposed)	RL-TP13		
2727-S, 2727-S Nonradioactive Dangerous Waste Storage Facility, 2727-S NRDWS Facility	Closed Out	RL-TP13		RL-ER02
200-E-46, RCRA Permit General Inspection #200EFY96 Item #3	Active	RL-TP13	RL-ER02	RL-ER02
200-E-50, 284-E Brine Pit, 284-E Salt Dissolving Pit and Brine Pump Pit	Active	RL-TP13		
200-E-51, 284-E Powerhouse Coal Ramp Washdown Pit, 200 East Powerhouse Coal Ramp Washdown Pit	Active	RL-TP13		
200-E-52, 200 East Powerhouse Coal Pile	Active	RL-TP13		
2101-M POND, 2101-M Pond	Closed Out	RL-TP13		
2704-E HWSA, 2704-E Hazardous Waste Storage Area	Active	RL-TP13	RL-ER02	RL-ER02
200-W ADS, 200-W Ashpit Demolition Site	Closed Out	RL-TP13		
200-W-60, 284-W Brine Pit, 284-W Salt Dissolving Pit and Brine Pump Pit	Active	RL-TP13		
200-W-61, 284 Powerhouse Coal Ramp Washdown Pit, 200 West Powerhouse Coal Ramp Washdown Pit	Active	RL-TP13		
200-W-62, 200 West Powerhouse Coal Pile	Active	RL-TP13		
200-E-5, 2607-E2, 2607-E2 Septic Tank & Tile Field	Active	RL-TP13	RL-ER02	RL-ER02
200-E-7, 2607-EO Septic Tank & Tile Field	Active	RL-TP13	RL-ER02	RL-ER02
200-E-9, 2607-EN, 2727-E Septic System, 2607-EN Septic Tank/Pump Station	Active	RL-TP13	RL-ER02	RL-ER02
2607-E1	Active	RL-TP13	RL-ER02	RL-ER02
2607-E11	Active	RL-TP13	RL-ER02	RL-ER02
2607-E6	Active	RL-TP13	RL-ER02	RL-ER02
2607-E8	Active	RL-TP13	RL-ER02	RL-ER02
2607-EK	Active	RL-TP13	RL-ER02	RL-ER02
2607-EL, 2607-EL Septic Tank/Pump Station	Active	RL-TP13	RL-ER02	RL-ER02
2607-EM	Active	RL-TP13	RL-ER02	RL-ER02
2607-EP	Active	RL-TP13	RL-ER02	RL-ER02
2607-EQ	Active	RL-TP13	RL-ER02	RL-ER02
2607-ER	Active	RL-TP13	RL-ER02	RL-ER02
2607-FSM, 609 Building Septic Tank 2607-FSM, 100 Area Fire Station Septic Tank, 1607-FSM, 6607-FSM	Active	RL-TP13	RL-ER02	RL-ER02
2607-FSN, 609A Building Septic Tank 2607-FSN	Active	RL-TP13	RL-ER02	RL-ER02
2607-W1	Active	RL-TP13	RL-ER02	RL-ER02
2607-W2	Active	RL-TP13	RL-ER02	RL-ER02
200-E PAP, 200-E Powerhouse Ash Pit	Active	RL-TP13	RL-ER02	RL-ER02
200-E-1, 284E Inert Landfill	Active	RL-TP13	RL-ER02	RL-ER02
200-E-12, Sand Piles from RCRA General Inspection 200EFY95 Item #5	Active	RL-TP13	RL-ER02	RL-ER02
200-E-13, Rubble Piles from RCRA General Inspection #200EFY95 Item #7	Active	RL-TP13	RL-ER02	RL-ER02
200-E-2, 2101-M SW Parking Lot, MO-234 parking Lot	Active	RL-TP13	RL-ER02	RL-ER02

TABLE 4-57 Landlord Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
200-N-3, Ballast Pits	Active	RL-TP13	RL-ER02	RL-ER02
200-W ADB, 200-W Ash Disposal Basin	Active	RL-TP13	RL-ER02	RL-ER02
200-W PAP, 200-W Powerhouse Ash Pit	Active	RL-TP13	RL-ER02	RL-ER02
200-W-11, Concrete Foundation South of 241-S, S-Farm Foundation and Dump Site	Active	RL-TP13	RL-ER02	RL-ER02
200-W-3, 2713-W North Parking Lot, 220-W-1	Active	RL-TP13	RL-ER02	RL-ER02
200-W-6, 200-W Painter Shop paint solvent disposal area	Active	RL-TP13	RL-ER02	RL-ER02
600 BPHWSA, 600 Area Batch Plant HWSA, Hazardous Waste Storage Area (Batch Plant)	Active	RL-TP13	RL-ER02	RL-ER02
600 CL, 600 Area Central Landfill, Central Landfill, Central Waste Landfill, CWL, Solid Waste Landfill, SWL	Active	RL-TP13	RL-ER02	RL-ER02
600-38, Railroad Siding "Susie", 600-25, Susie Junction	Active	RL-TP13	RL-ER02	RL-ER02
600-40, West of West Lake Dumping Area	Active	RL-TP13	RL-ER02	RL-ER02
600-51, Chemical Dump	Active	RL-TP13	RL-ER02	RL-ER02
628-2, 100 Area Fire Station Burn Pit	Active	RL-TP13	RL-ER02	RL-ER02
OCSA, Old Central Shop Area, Central Shop Area	Active	RL-TP13	RL-ER02	RL-ER02
600-25, Susie Junction	Active	RL-TP13	RL-ER02	RL-ER02
200-W-55, Dumping Area North of 231-Z	Active	RL-TP13	RL-ER02	RL-ER02
200-W-56, Debris North of 221-U	Active	RL-TP13	RL-ER02	RL-ER02
200-W-57, Excess Equipment Laydown Area from RCRA General Inspection #200WFY97 Item #10	Rejected(Proposed)	RL-TP13		
200-E-26, Heavy Equipment Storage Area, Diesel Fuel Contaminated Soil	Active	RL-TP13	RL-ER02	RL-ER02
UPR-200-N-1, Unplanned release near 212-R railroad spur	Active	RL-TP13	RL-ER02	RL-ER02
200-W-33, Solid Waste Dumping Area	Active	RL-TP13	RL-ER02	RL-ER02
200-W-65, Concrete Vault Northwest of WRAP, Water Pumping Station Vault, Abandoned Water System Pump Vault	Rejected (Proposed)	RL-TP13		
CC Soil Site Operable Units	Active		RL-ER02	RL-ER02 RL-ER07
600-216, 600-48, H-61-H Anti-Aircraft Artillery Site Building Foundations	Rejected(Proposed)	RL-TP13		
600-217, H-61-H Anti-Aircraft Artillery Site Sewer System	Active	RL-TP13	RL-ER02	RL-ER02
600-218, H-61-H Anti-Aircraft Artillery Site Dumping Area	Active	RL-TP13	RL-ER02	RL-ER02
600-219, H-61-R Radar Site	Rejected(Proposed)	RL-TP13		
600-220, H-51 Anti-Aircraft Artillery Site Dumping Area	Rejected(Proposed)	RL-TP13		
600-222, H-60 Gun Site	Rejected(Proposed)	RL-TP13		
600-223, Military Camp South of 200W, H-50 Gun Site Pit	Active	RL-TP13		
600-224 Military Camp South of 200W, H-50 Gun Site Septic System	Active	RL-TP13	RL-ER02	RL-ER02
600-39, Military Camp South of 200W, H-50 Gun Site Building Foundations and Ammunition Storage	Rejected(Proposed)	RL-TP13		
600-53, H-51 Anti-aircraft Artillery Site Building Foundations	Rejected(Proposed)	RL-TP13		
600-146, Steel Structure on Northwest Side of Gable Mountain	Active	RL-TP13	RL-ER02	RL-ER02
600-147, Wood Shack (Northwest of Gable Mountain)	Rejected(Proposed)	RL-TP13		
600-226, Gun Site H-42 Dumping Area	Active	RL-TP13	RL-ER02	RL-ER02
600-227, H-40 Gun Site Building Foundations	Rejected (Proposed)	RL-TP13		
600-228, H-40 Gun Site Dumping Area	Active	RL-TP13	RL-ER02	RL-ER02
600-49, H-42 Gun Site Building Foundations and Ammunition Storage	Rejected(Proposed)	RL-TP13		
600-236, Soilcell 607 Site; Petroleum Contaminated Soil	Active	RL-TP13	RL-ER02	RL-ER02
600-65, 607 Batch Plant Drum Site	Active	RL-TP13	RL-ER02	RL-ER02
600-66, 607 Batch Plant Orphan Drums	Active	RL-TP13	RL-ER02	RL-ER02
600-71, 607 Batch Plant Burn Pit	Active	RL-TP13	RL-ER02	RL-ER02
600-237, Borrow Pits (2), Gable Pond (216-A-25) North and South Borrow Pits	Active	RL-TP13	RL-ER02	RL-ER02
600-254, 251-W Substation Mineral Oil Pipelines	Active	RL-TP13		
600-36, Railroad Siding "Ethel"	Active	RL-TP13	RL-ER02	RL-ER02
S600 Soil Site Operable Units	Active		RL-ER03 RL-ER05	RL-ER03 RL-ER07
1100-1, Battery Acid Pit, 1171 Building Sandpit Spills, UPR-1100-1	Deleted from NPL	RL-TP13	RL-ER03	

TABLE 4-57 Landlord Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
1100-11, Ephemeral Pool	Deleted from NPL	RL-TP13	RL-ER03	
1100-12 Dumping Areas		RL-TP13	RL-ER03	RL-ER03
1100-13, Gravel Pit #1	Rejected(Proposed)	RL-TP13		
1100-14, Gravel Pit #2	Rejected(Proposed)	RL-TP13		
1100-15, Gravel Pit #3	Rejected(Proposed)	RL-TP13		
1100-2, Paint and Solvent Pit, UPR-1100-2	Deleted from NPL	RL-TP13	RL-ER03	
1100-3, Antifreeze and Degreaser Pit, Antifreeze Pit, UPR-1100-3	Deleted from NPL	RL-TP13	RL-ER03	
1100-4, Antifreeze Tank Site, UN-1100-4, 1171 Building Spills, UPR-1100-4	Deleted from NPL	RL-TP13	RL-ER03	
1100-9, 1164 Building 90-Day Waste Accumulation Area	Active	RL-TP13		
600-2, Army Landfill	Active	RL-TP13	RL-ER03	RL-ER03
UPR-1100-5, UN-1100-5, 1171 Parking Lot	Deleted from NPL	RL-TP13	RL-ER03	
UPR-1100-6, Discolored Soil Site, UN-1100-6	Deleted from NPL	RL-TP13	RL-ER03	
1100 HWSA, 1100 Area HWSA, 1100 Area Hazardous Waste Storage Area	Deleted from NPL	RL-TP13	RL-ER03	
1100 UOT4, 1100 Area Used Oil Tank 4, 1100 Area Underground Used Oil Tank (tank #4), 1171-4	Deleted from NPL	RL-TP13	RL-ER03	
1100 UOT5, 1100 Area Used Oil Tank 5, 1100 Area Underground Used Oil Tank (Tank #5), 1171-5	Deleted from NPL	RL-TP13	RL-ER03	
1100 UOT6, 1100 Area Used Oil Tank 6, 1100 Area Underground Used Oil Tank (Tank #6), 1171-6	Deleted from NPL	RL-TP13	RL-ER03	
1100 USPT2, 1100 Area Underground Steam Pad Tank 2, 1171-2	Deleted from NPL	RL-TP13	RL-ER03	
1100 USPT3, 1100 Area Underground Steam Pad Tank 3, 1171-3	Deleted from NPL	RL-TP13	RL-ER03	
1100-8, 1171 Hoist Oil Leak	Deleted from NPL	RL-TP13	RL-ER03	
700 WST, 700 Area Waste Solvent Tank, 700 Area Underground Waste Solvent Tank, 703-1	Deleted from NPL	RL-TP13	RL-ER03	
700-1, 747 Builidng 90-Day Waste Accumulation Area	Active	RL-TP13		
600-112, 6652-C SSLAST, 6652-C SSL Active Septic Tank, 6652-C Space Science Laboratory Active Septic Tank	Deleted from NPL	RL-TP13	RL-ER03	
600-113, 6652-C SSLIST, 6652-C SSL Inactive Septic Tank, 6652-C Space Science Laboratory Inactive Septic Tank	Deleted from NPL	RL-TP13	RL-ER03	
600-114, 6652-G ALEFSBST, 6652-G ALE Field Storage Building Septic Tank	Deleted from NPL	RL-TP13	RL-ER03	
600-115, 6652-I ALEHST, 6652-I ALE Headquarters Septic Tank, 6652-I Arid Lands Ecology (ALE) Headquarters Septic Tank	Deleted from NPL	RL-TP13	RL-ER03	
600-28, Rattlesnake Construction Dump	Deleted from NPL	RL-TP13	RL-ER03	
300 ASH PITS, 300 Ash Pits, 300 Area Ash Pits	Closed Out	RL-TP13		
300 FBP, 300 Area Filter Backwash Pond	Active	RL-TP13	RL-ER03	RL-ER03
300-52, 300 Area Sanitary Trenches	No Action	RL-TP13	RL-ER03	RL-ER03
300 IFBD, 300 Area Interim Filter Backwash Disposal	Rejected	RL-TP13		RL-ER03
300 PHWSA, 300 Area Powerhouse HWSA, 300 Area Powerhouse Hazardous Waste Storage Area	Rejected	RL-TP13		RL-ER03
300 SSS, 300 Area Sanitary Sewer System	Rejected	RL-TP13		
300-102, 328 Building Steam Condensate, Miscellaneous Stream #353	Rejected	RL-TP13	RL-ER03	RL-ER03
300-11, Pumphouse Underground Gasoline Tank, 382 Pumphouse UGT, 382-1	Active	RL-TP13	RL-ER03	RL-ER03
300-116, 3506A Building Steam Condensate, Miscellaneous Stream #381	Rejected	RL-TP13		
300-117, 3506A Building Steam Condensate, Miscellaneous Stream #382	Rejected	RL-TP13		
300-118, 3621D Building Steam Condensate, Miscellaneous Stream #700, Pit U-7.	Rejected	RL-TP13		
300-119, 3621D HVAC Condensate, Miscellaneous Stream #401, 3621D Air/Condensate Blowdown Drain	Rejected	RL-TP13		

TABLE 4-57 Landlord Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
300-120, 3621D Building Diesel Generator Cooling System Condensate, Miscellaneous Stream #402, 3621D Air Driven Starter Motor Discharge Drain	Rejected	RL-TP13		
300-121, 3621D Building Stormwater Runoff, Miscellaneous Stream #403, Injection Well #26, 36" Dry Well	Rejected	RL-TP13		
300-122, 366 Building Fuel Oil Bunker Loading Station Steam Condensate, Miscellaneous Stream #344	Rejected	RL-TP13		
300-123, 366 Building Fuel Oil Bunker Loading Station Steam Condensate, Miscellaneous Stream #342	Active	RL-TP13	RL-ER03	RL-ER03
300-124, 366 Building Fuel Oil Bunker Steam Condensate, Miscellaneous Stream #653	Rejected	RL-TP13		
300-125, 3702 Building Steam Condensate, Miscellaneous Stream #346	Rejected	RL-TP13		
300-126, 3703 Building Steam Condensate, Miscellaneous Stream #431	Rejected	RL-TP13		
300-127, 3705 Building Stormwater Runoff, Miscellaneous Stream #410	Rejected	RL-TP13		
300-128, 3705 Building Stormwater Runoff, Miscellaneous Stream #411	Rejeced	RL-TP13		
300-129, 3705 Building Stormwater Runoff, Miscellaneous Stream #412	Rejected	RL-TP13		
300-150, 3706 Building Steam Condensate, Miscellaneous Stream #430	Rejected	RL-TP13		
300-151, 3707B Building Steam Condensate, Miscellaneous Stream #327	Rejected	RL-TP13		
300-152, 3707B Building Steam Condensate, Miscellaneous Stream #326, U57	Rejected	RL-TP13		
300-153, 3707B Building Steam Condensate, Miscellaneous Stream #328	Rejected	RL-TP13		
300-154, 3707B Building Steam Condensate, Miscellaneous Stream #325	Rejected	RL-TP13		
300-155, 3707C Building Steam Condensate, Miscellaneous Stream #179, Injection Well #24	Rejected	RL-TP13		
300-156, 3707C Building Steam Condensate, Miscellaneous Stream #178, Injection Well #23	Rejected	RL-TP13		
300-157, 3707C Building Steam Condensate, Miscellaneous Stream #337	Rejected	RL-TP13		
300-158, 3707C Building Steam Condensate, Miscellaneous Stream #336, F.D. #31	Rejected	RL-TP13		
300-159, 3707C Building Steam Condensate, Miscellaneous Stream #335, F.D. #4	Rejected	RL-TP13		
300-160, 3707D Building Steam Condensate, Miscellaneous Stream #443, Injection Well #10	Rejected	RL-TP13		
300-161, 3707D Building Stormwater Runoff, Miscellaneous Stream #441	Rejected	RL-TP13		
300-162, 3707D Building Stormwater Runoff, Miscellaneous Stream #442	Rejected	RL-TP13		
300-164, 3709 Building Steam Condensate, Miscellaneous Stream #338, F.D. #3	Rejected	RL-TP13		
300-165, 3709A Building Condensate, Miscellaneous Stream #347	Rejected	RL-TP13		
300-166, 3709A Building Steam Trap, Miscellaneous Stream #355	Rejected	RL-TP13		
300-167, 3711 Building Steam Condensate, Miscellaneous Stream #343	Rejected	RL-TP13		
300-168, 3711 Building Steam Condensate, Miscellaneous Stream #433	Rejected	RL-TP13		
300-171, 3713 Building Steam Condensate and Stormwater Runoff, Miscellaneous Stream #333, F.D. #7	Rejected	RL-TP13		
300-172, 3713 Building Steam Condensate, Miscellaneous Stream #435	Rejected	RL-TP13		
300-173, 3713 Building Steam Condensate, Miscellaneous Stream #512	Rejected	RL-TP13		
300-174, 3713 Building Stormwater Runoff and Steam Condensate, Miscellaneous Stream #544	Rejected	RL-TP13		
300-176, 3715 Building Steam Condensate, Miscellaneous Stream #678	Rejected	RL-TP13		
300-177, 3717 Building Steam Condensate, Miscellaneous Stream #330	Rejected	RL-TP13		
300-178, 3717 Building Steam Condensate, Miscellaneous Stream #329	Rejected	RL-TP13		
300-179, 3717 Building Steam Condensate, Miscellaneous Stream #324	Rejected	RL-TP13		
300-180, 3717 Building Stormwater Runoff, Miscellaneous Stream #545	Rejected	RL-TP13		
300-181, 3717 Building Steam Condensate, Miscellaneous Stream #180	Rejected	RL-TP13		
300-182, 3717B Building Steam Condensate, Miscellaneous Stream #323	Rejected	RL-TP13		
300-183, 3718 Building Steam Condensate, Miscellaneous Stream #340, F.D. #40	Rejected	RL-TP13		
300-185, 3722 Building Steam Condensate, Miscellaneous Stream #436, Injection Well #6	Rejected	RL-TP13		
300-192, 3732 Building Steam Condensate, Miscellaneous Stream #349	Rejected	RL-TP13		
300-193, 3732 Building Steam Condensate, Miscellaneous Stream #419, Injection Well #15	Rejected	RL-TP13		
300-194, 3734 Building Steam Condensate, Miscellaneous Stream #334, F.D. #8	Rejected	RL-TP13		
300-195, 3734A Building Steam Condensate, Miscellaneous Stream #519	Rejected	RL-TP13		
300-202, 3765 Building HVAC Condensate, Miscellaneous Stream #345	Rejected	RL-TP13		

TABLE 4-57 Landlord Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
300-204, 3790 Building Stormwater Runoff, Miscellaneous Stream #378, F.D. #19, Injection Well #19	Rejected	RL-TP13		
300-205, 3790 Building Stormwater Runoff, Miscellaneous Stream #377, F.D. #18, Injection Well #18	Rejected	RL-TP13		
300-206, 3790 Building Stormwater Runoff, Miscellaneous Stream #373	Rejected	RL-TP13		
300-207, 3790 Building Stormwater Runoff, Miscellaneous Stream #375, F.D. #16, Injection Well #16	Rejected	RL-TP13		
300-208, 3790 Building Stormwater Runoff, Miscellaneous Stream #376, F.D. #17, Injection Well #17	Rejected	RL-TP13		
300-209, 3790 Building Stormwater Runoff, Miscellaneous Stream #374	Rejected	RL-TP13		
300-210, 3790 Building Stormwater Runoff, Miscellaneous Stream #514	Rejected	RL-TP13		
300-211, 382 Building Steam Condensate, Miscellaneous Stream #429	Rejected	RL-TP13		
300-213, West High Tank (Water Tower) Overflow and Steam Condensate, Miscellaneous Stream #332	Rejected	RL-TP13		
300-215, 300 Area South	Rejected	RL-TP13		
300-217, 300 Area Laydown Yard	Active	RL-TP13		
300-220, Gravel Pit #7	Rejected	RL-TP13		
300-222, 384-W Brine Pit, 384-W Salt Dissolving Pit and Brine Pump Pit	Active	RL-TP13	RL-ER03	RL-ER03
300-223, 384 Powerhouse Fuel Oil Day Tanks #1 and #2	Active	RL-TP13	RL-ER03	RL-ER03
300-225, 3790 Building Stormwater Runoff, Miscellaneous Stream #767	Rejected (Proposed)	RL-TP13		
300-26, Powerhouse Fuel Oil Spill, 384 Powerhouse #6 Fuel Oil Spill, Delivery Truck Spillage on Roads	Rejected	RL-TP13		RL-ER03
300-30, 3705 Photography Building	Rejected	RL-TP13		RL-ER03
300-36, 384 Powerhouse Oil Release to French Drain	Rejected	RL-TP13		
300-37, PCB Leak to Soil Adjacent to 335A	Closed Out	RL-TP13		
300-4, DOE 351 Substation Soil Contamination	Active	RL-TP13	RL-ER03	RL-ER03
300-5, 300 Area Fire Station Fuel Tanks, 3709A Fire Station	Active	RL-TP13	RL-ER03	RL-ER03
300-56, 306-E 90-Day Waste Accumulation Area	Rejected	RL-TP13		
300-59, 305 Building Steam Condensate, Miscellaneous Stream #417	Rejected	RL-TP13		
300-6, 366/366A Fuel Oil Bunkers	Active	RL-TP13	RL-ER03	RL-ER03
300-67, Steam Condensate from 300 Area Main Steam Header, Miscellaneous Stream #414	Rejected	RL-TP13		
300-68, 305 Building - Steam Condensate, Miscellaneous Stream #451, Pit U23	Rejected	RL-TP13		
300-69, 305 Building Steam Condensate, Miscellaneous Stream #415	Rejected	RL-TP13		
300-70, 305 Building Steam Condensate, Miscellaneous Stream #416	Rejected	RL-TP13		
300-71, 306E Building - HVAC Condensate, Miscellaneous Stream #454	Rejected	RL-TP13		
300-86, 300 Area South Parking Lot Stormwater Runoff, Miscellaneous Stream #524	Rejected	RL-TP13		
315 RSDF, 315 Retired Sanitary Drain Field	Rejected	RL-TP13		RL-ER03
3713 PSHWSA, 3713 Paint Shop Hazardous Waste Satellite Area	Rejected	RL-TP13		RL-ER03
3713 SSHWSA, 3713 Sign Shop Hazardous Waste Satellite Area	Rejected	RL-TP13		RL-ER03
400 RST, 400 Area Retired Septic Tanks	Rejected	RL-TP13		RL-ER03
400 SS, 400 Area Sanitary Sewer, 4608 Sanitary Sewer, 4608 SS	Rejected	RL-TP13		RL-ER03
400 STF, 400 Area Sanitary Tile Field, 4608 Sanitary Tile Field, 4608 STF	Rejected	RL-TP13		RL-ER03
400-11, 4607 SSL, 4607 Sanitary Sewer Lagoon, 400 Area Wetlands	Rejected	RL-TP13		RL-ER03
400-12, 4607 STF, 4607 Sanitary Tile Field, 4608A Sanitary Sewer Leaching Field, 4608A Leaching Field	Rejected	RL-TP13		RL-ER03
400-36, 4843 Building Temporary Transfer Station	Active	RL-TP13		
400-7, 4607 SSST, 4607 Sanitary Sewer Septic Tank, 4607 SS, 4607 Sanitary Sewer	Rejected	RL-TP13		RL-ER03
4722 PSHWSA, 4722 Paint Shop HWSA, 4722 Paint Shop Hazardous Waste Storage Area, 4722-C Hazardous Waste Storage Area	Rejected	RL-TP13		RL-ER03
4722-B FD, 4722-B French Drain	Rejected	RL-TP13		RL-ER03
4722-C FD, 4722-C French Drain, French Drain South of 4722-C, Miscellaneous Stream #29	Rejected	RL-TP13		RL-ER03
600-155, Dumping Area Upstream of River Mile Marker 35 Identified During RCRA General Inspection #HIRIV-FY96 Item #7	Rejected	RL-TP13		
600-22, UFO Landing Site	No Action	RL-TP13	RL-ER03	RL-ER03
600-243, Petroleum Contaminated Soil Bioremediation Pad	Active	RL-TP13	RL-ER03	RL-ER03
600-244, Gravel Pit #6	Rejected	RL-TP13		
600-245, Gravel Pit #8	Rejected	RL-TP13		
600-246, Gravel Pit #9, Inert/Demolition Waste Landfill (Pit 9)	Rejected	RL-TP13		RL-ER03
600-247, Gravel Pit #10, Inert Landfill (Pit 10)	Rejected	RL-TP13		RL-ER03
600-248. Gravel Pit #11	Rejected	RL-TP13		

TABLE 4-57 Landlord Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
600-249, Debris Within Gravel Pit #6	Rejected	RL-TP13		RL-ER03
600-58, H.J. Ashe Substation Oil/Water Separator & Drywells, BPA SWMU #13	Active	RL-TP13	RL-ER03	RL-ER03
600-59, H.J. Ashe Substation Storage Area, BPA SWMU #12, Generator Storage Area Sump	Active	RL-TP13	RL-ER03	RL-ER03
600-60, H.J. Ashe Substation Switchyard Facility	Active	RL-TP13	RL-ER03	RL-ER03
600-62, Benton Switch Substation Releases	Active	RL-TP13	RL-ER03	RL-ER03
600-64, Underground Sanitary Sewer Line from 400 Area to WPPSS, Sanitary Waste Tie-Line from the 400 Area to WPPSS	Rejected	RL-TP13		
JA JONES 1, JA Jones 1, JA Jones Dumping Pit #1, JA Jones Construction Pit #1	Active	RL-TP13	RL-ER03	RL-ER03
UPR-300-42, 300 Area Powerhouse Fuel Oil Spill, UN-300-42	Active	RL-TP13	RL-ER03	RL-ER03
UPR-300-7, UN-300-7, Oil Spill at 384 Building	Active	RL-TP13	RL-ER03	RL-ER03
UPR-400-1, 400 Area Coolant Spill, UN-400-1	Rejected	RL-TP13		RL-ER03
UPR-600-11, Contaminated Soil Dumped at JA Jones Pit #1	Closed Out	RL-TP13		RL-ER03

The 'Rejected' and 'Completed' waste sites are part of the Project Hanford Management Contract (PHMC), but require no additional work from the PHMC team. When they are removed from the contract via direction from the RL Contracting Officer representative, they will be removed from this specification.

* RL PBS Identifier Index:

RL-ER01 - 100 Area Source Remedial Action
RL-ER02 - 200 Area Source Remedial Action
RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER07 - Long Term Surveillance & Maintenance
RL-ER09 - N Area Deactivation
RL-TP13 - Landlord

4.2.5.e Performance Measures

Performance measures are used to monitor both mission and corporate management. In this document, our focus is on mission management. There are two types of mission-focused performance measures. First, there are performance measures that monitor the progress made on activities that must be conducted to enable waste/material cleanup to occur on the Hanford Site. For the Landlord mission area, these activities include providing real estate management, maintenance and surveillance of surplus facilities, emergency service equipment and facilities, utility service infrastructure (including electricity, water, sanitary waste water, telecommunications services), maintenance and upgrades to the road system, office space, and animal/vegetation control.

Second, there are performance measures that track the progress made in the processing of wastes and other materials (including facilities). These "process" measures monitor changes in waste/material form, storage method, and location. These measures are important because they are directly linked to two key Success Indicators - the reduction in the level of active management required for the inventory and the reduction in the hazard posed by the waste/material. Process measures will monitor the waste/material/facility during each major processing step as it transitions from its initial configuration to the configuration described by the appropriate endpoint target. Endpoint targets for the Landlord mission are presented in the Hanford Strategic Plan and are included in the *Facility Life-Cycle Requirements Section* for each project that comprises this mission. For processing materials and facilities that do not

have explicit endpoint targets, performance measures will monitor progress that is made to achieve appropriate performance objectives (as presented in *Multi-Year Work Plans*).

4.2.5.1 Landlord

4.2.5.1.1 Project Description Summary

The mission of the Landlord Project is to provide capital equipment replacements, major maintenance, and renovation of core infrastructure facilities and systems to facilitate the Hanford Site cleanup mission. After an infrastructure function is no longer needed to support the Hanford Site mission the Landlord Project is responsible for cost effective final disposition of the facilities, systems, and equipment including transfer to another entity, excess, salvage, monitoring, and demolition. Infrastructure systems include:
- Real estate management and site planning including mapping services
- Surveillance, maintenance, and deactivation of surplus facilities
- Emergency services vehicles (fire trucks, ambulances, etc.), equipment, and facilities
- Electrical distribution systems until the facilities they serve are deactivated
- Disposition of rail equipment (well/cask cars, etc.) and heavy mobile equipment
- Road system major maintenance (overlay and sealing) and upgrades to common roads until the facilities they serve are deactivated and the site cleaned up
- Water supply and distribution systems (pump houses and distribution piping) until the facilities they serve are deactivated
- Sanitary waste water systems and abandoned non-radiological waste sites (dry wells, storm drainage basins, etc.)
- Telecommunication systems until the facilities they serve are deactivated.
- General-purpose facilities including; office space, shops, laboratories, and warehouses with the emphasis on consolidating personnel, shop functions, and warehousing in the most cost-effective space from an operations and maintenance standpoint
- Vegetation and animal control
- Emergency operations center replacements, including Patrol Training Academy and Patrol Headquarters
- Sanitary landfill closure
- Non-radioactively contaminated waste sites assigned by RL.

The objective for general infrastructure support are reflected in four specific areas, 1) Core infrastructure maintenance and replacements, 2) Surveillance, maintenance, and deactivation of surplus infrastructure facilities and systems, 3) Disposition of surplus facilities, equipment, and systems, and 4) Surveillance, maintenance, and disposition of assigned waste sites.

Note: General operations and maintenance of infrastructure systems, services, and facilities is provided through assessments to the direct Hanford Site projects and is not a function of the Landlord Project.

4.2.5.1.2 Life-Cycle Material and Waste Flow

Table 4-58 Landlord Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
Rail System	CH LLW I	2000 - 2046	185.0	cubic meters

4.2.5.1.3 Facility Life-Cycle Requirements

- Requirements

  - Steam facilities shall be operated and maintained and steam services shall be provided in a safe, secure, environmentally sound, and cost-effective manner, optimizing site infrastructure as a whole.
  - Hanford land use planning and management shall ensure that site lands are maintained in a safe, secure, environmentally sound, and cost-effective manner.
  - The contractor shall 1) Provide real property management through execution of leases, permits, easements, and land disposition. This task excludes the leasing of commercial office space which is a task included in the Management and Maintenance of General Purpose Office Space. (See Section C.4.B(2)(c) above); and 2) Support DOE Land-use Planning and Management. in making determinations about present and future land use at the Hanford Site.
  - The contractor shall: 1) provide disposition of excess general purpose facilities; 2) propose plans for demolishing, turning over facilities to others, or more cost-effective maintenance of excess general purpose facilities. The number of excess facilities is expected to increase over the next several years. The Contractor should assume that these structures in the Landlord Project are not radiologically contaminated.
  - High cost surplus facilities shall be transitioned to a low cost, stable, deactivated condition. Maintain surplus facilities for the lowest cost possible until these facilities can be demolished or salvaged for economical return to offset the final disposition.
  - Provide janitorial services, fabrication shops, and pest (including plant and animal) programs.

- Planning Assumptions

  - Facilities in Central Plateau - 8 Remove non-essential, surplus buildings and facilities that do not have identified post-cleanup uses.
  - Facilities in South 600 Area - 10 Remove non-essential, surplus buildings and facilities that don't have identified post-cleanup uses.
  - The Hanford Site Infrastructure shall be optimized.
    Develop cost-competitive infrastructure commensurate with mission needs.
    Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.
  - Central Plateau facilities other than processing facilities shall be dismantled.
  - High cost surplus facilities and systems shall be transitioned to a low cost, stable, deactivated condition.
  - Facilities and systems shall be made available for other uses.
  - Facilities shall be transitioned to the surveillance and maintenance phase when no longer required to support the site mission.
  - Facilities and systems that can not be used for other purposes, shall be removed, equipment and materials salvaged to offset the cost of final disposition.
  - Central Core Area land ownership shall be retained
  - Central Plateau shall be used for the collection of wastes that remain onsite.
  - Columbia River shoreline use shall be restricted.
  - Columbia River shoreline sensitive cultural resoures shall be protected.
  - Columbia River shoreline sensitive ecological resoures shall be protected.

- Access to Hanford land used for radioactive waste disposal shall remain restricted.
- Arid Lands Ecology Reserve land ownership shall be retained.
- North Slope Area land ownership shall be retained.
- Arid Lands Ecology Reserve cultural resources shall be protected.
- Arid Lands Ecology Reserve ecological resources shall be protected.
- Arid Lands Ecology Reserve scientific resources shall be protected.
- North Slope scientific resources shall be protected.
- North Slope ecological resources shall be protected.
- North Slope cultural resources shall be protected.
- Reactors on the River land use shall be restricted.
- Reactors on the River archeological resources shall be protected.
- Reactors on the River cultural resources shall be protected.
- Reactors on the River ecological resources shall be protected.
- Reactors on the River land ownership shall be retained.
- 300 Area land ownership shall be retained.
- 400 Area land ownership shall be retained.
- 300 Area land shall be leased for other uses.
- 400 Area land shall be leased for other uses.
- South 600 Area land ownership shall be retained.
- South 600 Area land shall be leased for other uses.
- South 600 Area facilities shall be surveilled and maintained within the approved safety envelope.
- 400 area facilities shall be leased for other uses.

4.2.5.1.4 Project Safety Authorization Basis/NEPA and Permits

· The road system shall be maintained in a safe and compliant condition. If rehabilitation of the roads is deferred, deterioration will accelerate. Most of the Site roads have a minimal base (~7.6 cm), which is well below current road requirements for similar temperature-zoned areas (~45.7 cm), so preventive measures are a necessity to avoid total replacement. Cracks quickly become potholes and surface irregularities degenerate into rough surfaces. Within a short time, pavement conditions drop from fair to poor or very poor. At that point, the pavement and roadway requires complete reconstruction, which is 5 to 10 times more costly than preventive maintenance and periodic rehabilitation. The movement of freight, construction equipment, emergency vehicles, etc., is a critical part of the cleanup mission. As roads continue to degrade, this movement will begin operating outside of the safety envelope, increasing risk of injury/loss of life and risk of spill of fuels, oils, or hazardous materials and chemicals to the environment.

· Vacant facilities shall be monitored and maintained to ensure public and worker safety before demolition or transfer to other entities (i.e., Port of Benton, City of Richland, etc.) to meet their acceptance criteria. Isolation of utilities is required to minimize cost and potential for accidents or harm resulting from deteriorated system components. Regular S&M will ensure that lead paint and asbestos are not being released into the environment and that the appropriate level of pest control is maintained. Disposition of vacant buildings in or near populated areas is required because they pose safety hazards associated with being an attractive nuisance.

· Utility service equipment and facility-related systems shall be replaced based on safety and environmental risk reasons. For example, the Landlord Project provides complete roof replacements, replacement of leaky Freon*-based chiller systems with non-ozone depleting

based systems, and electrical and water system safety upgrades.

· NEPA Documentation--The Landlord Project activities are implemented based on completed and approved NEPA documentation.

· All Infrastructure Project activities will be performed in an environmentally sound, safe, economical, prudent, and reliable manner.

4.2.5.1.5 Tri-Party Agreement Requirements

· None

4.2.5.1.6 Interfaces

TABLE 4-59 Landlord Interfaces

Project Title	Project Number	Interface
Offsite Sales	EXTERNAL	Receives Excess Land Receives Excess Rail Components from Disposition of the Rail System
Offsite Landfill	EXTERNAL	Receives Rubble from the Steam System
Hanford Legacy	EXTERNAL	Provides Legacy Central Landfill
Solid Waste Storage & Disposal	RL-WM03	Receives DYNCORP (MESS), CH LLW I
Surveillance & Maintenance	RL-ER05	Provides Initiate D&D of Evnironmental Support Facilities Provides Misc Eng Labs from S&M Receives Deactivated 3020 Facility Receives Deactivated Environmental Support Facilities

TABLE 4-59 Landlord Interfaces (Continued)

Project Title	Project Number	Interface
ER Disposal Facility (ERDF)	RL-ER04	Receives Facility Rubble from Environmental Support Facilities for Disposition Receives Facility Rubble from Misc Engineering Labs for Disposition Receives Rubble from CP Area Rail System Demolition Receives Rubble from CP Area Road System Demolition Receives Rubble from CP Electrical System Demoition Receives Rubble from CP Liquid Sanitory Waste System Demolition Receives Rubble from CP Office Facilities Demolition Receives Rubble from CP Raw Water System Demolition Receives Rubble from CP Shop Facilities Demolition Receives Rubble from CP Steam Plant Facilities Demolition Receives Rubble from CP Storage Facilities Demolition Receives Rubble from CP Telecommunication System Demolition Receives Rubble from South 600 Area Electrical System Demolition Receives Rubble from South 600 Area Land Demolition Receives Rubble from South 600 Area Liquid Sanitary Waste System Demolition Receives Rubble from South 600 Area Office Facilities Demolition Receives Rubble from South 600 Area Rail System Demolition Receives Rubble from South 600 Area Road System Demolition Receives Rubble from South 600 Area Shop Facilities Demolition Receives Rubble from South 600 Area Steam Plant Demolition Receives Rubble from South 600 Area Storage Facilities Demolition Receives Rubble from South 600 Area Telecommunication System Demolition Receives Rubble from South 600 Area Water Facilities Demolition Receives Rubble from the RR Electrical Supply Structures and Facilities Receives Rubble from the RR Liquid Sanitory Waste System Receives Rubble from the RR Rail System Receives Rubble from the RR Raw Water Supply System Receives Rubble from the RR Roads Receives Rubble from the RR Telecommunication System Receives Rubble from the Steam System
PNNL Waste Management	RL-ST01	Provides Excess Environmental Support Facilities

4.2.5.1.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-96-92, Hanford Strategic Plan"

Concurrence: _____
R. E. Gerton, Director
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Approved by: _____
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U.S. Department of Energy,
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Team Lead, RPS
7-13-99

27 September 1999
~~30 June 1999~~

4.3 ER PROJECT

The logic diagram shown in Figure 4-6 applies to all facilities in the ER Project.

The Waste, Material and Geographic Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford cleanup effort is structured. Each mission area and project partially support each of these goals per scope of work described in Prime Contract. As an aggregate all mission areas and projects when put together will fullfill requirements of the Hanford Strategic Plan. The goals which the mission areas and projects support are called out in this document This is done for reference, not to assign complete responsibility for the goal to a given project. Details of project assignments are contained in the project planing documentation. As records of decision are issued, the texts of these goals will be amended to reflect their content.

As such, "Material and Waste Goals" identified in the subsequent sub-sections cover only the partial goals described in the respective Prime Contract. Details of assignments of the partial goals are contained in the project planning documents.

The Richland Environmental Restoration Project consists of the Hanford Site's remedial action and waste disposal, decontamination and decommissioning, groundwater management, and N-reactor deactivation.

4.3.a Project Structure

- 100 Area Source Remedial Action (RL-ER01)
- 200 Area Source Remedial Action (RL-ER02)
- 300 Area Source Remedial Action (RL-ER03)
- Groundwater Management (RL-ER08)
- Surveillance & Maintenance (RL-ER05)
- Decontamination & Decommissioning (RL-ER06)
- N Area Deactivation (RL-ER09)
- ER Program Management and Support (RL-ER10)
- Long Term Surveillance & Maintenance (RL-ER07)
- ER Disposal Facility (ERDF) (RL-ER04)
- Site-Wide Groundwater/Vadose Zone Integration Project (RL-VZ01)

4.3.b Hanford Strategic Plan Goals

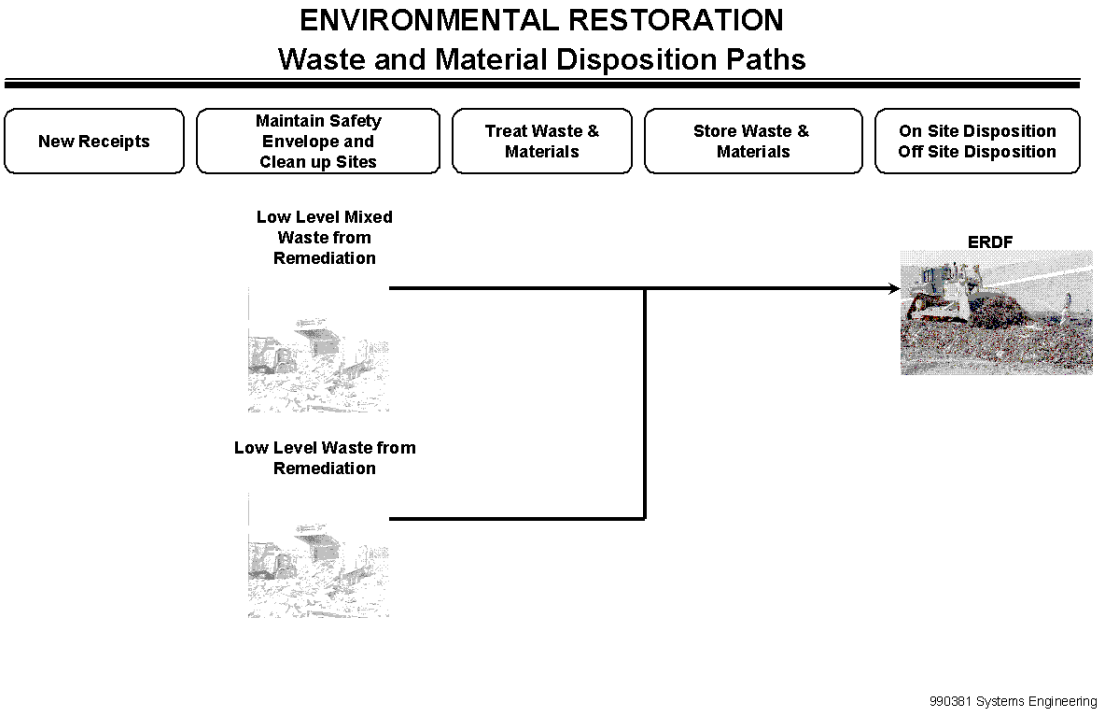
The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are

issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- This area will remain in Federal ownership consistent with safety analysis boundaries and waste management operations in the 200 Area. These areas will be available for other Federal programs or leased for non-Federal uses, consistent with appropriate recognition of cultural and ecosystem values.
- The 200 Areas and central plateau will be used for the management of nuclear materials and the collection and disposal of waste materials that remain onsite and for other related and compatible uses. Cleanup levels and disposal standards will be established that are consistent with these long-term uses.
- Remove and/or stabilize spent fuel, surplus facilities, and waste sites to protect groundwater and the Columbia River and to ensure protection of people, the environment, and natural/cultural resources. Pending Congressional action on the Wild and Scenic River designation, use will continue to be restricted; sensitive ecological , cultural, and native American resources will be protected.
- The 300 Area waste sites, materials and facilities will be remediated to allow industrial and economic diversification opportunities. The Federal government will retain ownership of land in and adjacent to the 300 and 400 Areas, but will lease land for private and public uses to support regional industrial and economic development. Excess land within the 1100 Area will be targeted for transition to non-Federal ownership.
- Groundwater remains restricted for a yet to be determined period pending decisions on final attainable cleanup levels. Remediation actions will protect the Columbia River and the near-shore environment, reduce contamination entering the groundwater, and control the migration of plumes that threaten groundwater quality beyond the boundaries of the Central Plateau.
- Contaminated soil sites will be treated to levels supportive of future use targets or regulator-specified levels for each geographic area as prescribed by CERCLA/RCRA decisions.
- Solid wastes will be dispositioned consistent with national policies for management of transuranic, low level, low level mixed and hazardous wastes. Hanford will continue to receive onsite and offsite wastes for disposal in the 200 Area.
- Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.
- Surplus facilities will be decommissioned and decontaminated sufficiently to enable removal or closure through entombment.

4.3.c Technical Logic

Figure 4-8 Environmental Restoration Material/Flow Logic



4.3.d Facility Life-Cycle Responsibility Assignments

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
RoR Groundwater Operable Units	RL-ER10					RL-ER08	RL-ER07 RL-ER08
100-BC-5	RL-ER10						RL-ER08
100-FR-3	RL-ER10						RL-ER08
100-HR-3	RL-ER10						RL-ER08
100-KR-4	RL-ER10						RL-ER08
100-NR-2	RL-ER10						RL-ER08
RoR Soil Site Operable Units	RL-ER10					RL-ER01 RL-ER05	RL-ER01 RL-ER07 RL-ER09
100-BC-1	RL-ER10						RL-ER01
100-BC-2	RL-ER10						RL-ER01
100-DR-1	RL-ER10						RL-ER01
100-DR-2	RL-ER10						RL-ER01
100-DR-3	RL-ER10						RL-ER01
100-FR-1	RL-ER10						RL-ER01
100-FR-2	RL-ER10						RL-ER01
100-HR-1	RL-ER10						RL-ER01
100-HR-2	RL-ER10						RL-ER01
100-IU-1	RL-ER10					RL-ER01	RL-ER01
100-IU-2	RL-ER10					RL-ER01	RL-ER01
100-IU-3	RL-ER10					RL-ER01	RL-ER01
100-IU-4	RL-ER10					RL-ER01	RL-ER01
100-IU-5	RL-ER10					RL-ER01	RL-ER01
100-KR-1	RL-ER10						RL-ER01
100-KR-2	RL-ER10						RL-ER01
100-KR-3	RL-ER10						RL-ER01
100-NR-1	RL-ER10						RL-ER01
100 K Area Facilities	RL-WM01				RL-WM01		RL-ER05 RL-ER06
105KE	RL-WM01				RL-WM01		RL-ER06
105KW	RL-WM01				RL-WM01		RL-ER06
119KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1614KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
165KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
165KW	RL-WM01				RL-WM01		RL-ER06
166AKE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1705KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1706KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1706KEL	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1706KER	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1713KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1713KW	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1714-KW	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1714KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1717K	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1724-K	RL-WM01				RL-WM01	RL-WM01	RL-ER06
181KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183-2KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183-3KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183-4KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183.1KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183.5KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183.6KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
183KW	RL-WM01				RL-WM01		RL-ER06
1908K	RL-WM01				RL-WM01	RL-WM01	RL-ER06
1908KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06
190KE	RL-WM01				RL-WM01	RL-WM01	RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
MO101	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO102	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO214	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO236	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO237	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO293	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO382	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO401	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO402	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO420	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO442	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO907	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO928	RL-WM01				RL-WM01	RL-WM01	RL-ER06
MO969	RL-WM01				RL-WM01	RL-WM01	RL-ER06
100-B Reactor	RL-ER10						RL-ER06
103B	RL-ER10						
104B1	RL-ER10						
104B2	RL-ER10						
105B	RL-ER10						RL-ER06
111-B	RL-ER10						RL-ER06
116-B	RL-ER10						RL-ER06
119-B	RL-ER10						RL-ER06
1608-B	RL-ER10						RL-ER06
1701BA	RL-ER10						
1715-B	RL-ER10						RL-ER06
1904-B-1	RL-ER10						RL-ER06
1904-B-2	RL-ER10						RL-ER06
224B	RL-ER10						RL-ER06
509BA	RL-ER10				RL-I111		RL-ER06
100-C Reactor	RL-ER10						RL-ER06
105C	RL-ER10						RL-ER06
118-C-4	RL-ER10						RL-ER06
1702C	RL-ER10						
1714-C	RL-ER10						
190C	RL-ER10						
3506C1	RL-ER10						RL-ER06
T52C6	RL-ER10						RL-ER06
100-D Reactor	RL-ER10						RL-ER06
103D	RL-ER10						RL-ER06
105D	RL-ER10						RL-ER06
116-D	RL-ER10						RL-ER06
151D	RL-ER10						RL-ER06
1615D3	RL-ER10						RL-ER06
1904-D	RL-ER10						RL-ER06
190D	RL-ER10						
190DA	RL-ER10						RL-ER06
100-DR Reactor	RL-ER10						RL-ER06
105DR	RL-ER10						RL-ER06
116-DR	RL-ER10						RL-ER06
117DR	RL-ER10						RL-ER06
119DR	RL-ER10						RL-ER06
1702DR	RL-ER10						RL-ER06
1720DR	RL-ER10					RL-TP10	RL-ER06
190DR	RL-ER10						RL-ER06
100-F Reactor	RL-ER10						RL-ER06
105F	RL-ER10						RL-ER06
108F	RL-ER10						RL-ER06
183-F	RL-ER10						RL-ER06
100-H Reactor	RL-ER10						RL-ER06
105H	RL-ER10						RL-ER06
1713H	RL-ER10						RL-ER06
1720HA	RL-ER10						RL-ER06
183-H	RL-ER10						RL-ER06
100-KE Reactor	RL-ER10						RL-ER06
110KE	RL-ER10						RL-ER06
115KE	RL-ER10						RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
116-KE	RL-ER10						RL-ER06
117KE	RL-ER10						RL-ER06
118-KE-2	RL-ER10						RL-ER06
150-KE	RL-ER10						RL-ER06
1506K1	RL-ER10						RL-ER06
1614K3	RL-ER10						RL-ER06
166KE	RL-ER10						RL-ER06
167K	RL-ER10						RL-ER06
1701KA	RL-ER10						RL-ER06
1713KER	RL-ER10						RL-ER06
1717KE	RL-ER10						RL-ER06
1720K	RL-ER10						RL-ER06
1724KB	RL-ER10						RL-ER06
182K	RL-ER10						RL-ER06
2506K	RL-ER10						RL-ER06
100-KW Reactor	RL-ER10						RL-ER06
110-KW	RL-ER10						RL-ER06
115KW	RL-ER10						RL-ER06
116-KW	RL-ER10						RL-ER06
117KW	RL-ER10						RL-ER06
118-KW-2	RL-ER10						RL-ER06
119KW	RL-ER10						RL-ER06
150-KW	RL-ER10						RL-ER06
166KW	RL-ER10						RL-ER06
181-KW	RL-ER10						RL-ER06
190KW	RL-ER10						RL-ER06
183-K	RL-ER10						RL-ER06
100-N Reactor	RL-ER10						RL-ER06
104N	RL-ER10						
105N	RL-ER10						RL-ER06
105NA	RL-ER10						RL-ER06
105NB	RL-ER10						RL-ER06
105NC	RL-ER10						RL-ER06
105-ND	RL-ER10						RL-ER06
105-NE	RL-ER10						RL-ER06
107N	RL-ER10						RL-ER06
108N	RL-ER10						RL-ER06
109N	RL-ER10						RL-ER06
109NA	RL-ER10						RL-ER06
1112N	RL-ER10						RL-ER06
1120N	RL-ER10						RL-ER06
1134NA	RL-ER10						RL-ER06
1143N	RL-ER10						RL-ER06
116-N	RL-ER10						RL-ER06
117N	RL-ER10						RL-ER06
119-N	RL-ER10						RL-ER06
119-NA	RL-ER10						RL-ER06
11-N	RL-ER10						RL-ER06
1300-N	RL-ER10						RL-ER06
1303-N	RL-ER10						RL-ER06
1304-N	RL-ER10						RL-ER06
1310N	RL-ER10						RL-ER06
1312-N	RL-ER10						RL-ER06
1313N	RL-ER10						RL-ER06
1314N	RL-ER10						RL-ER06
1315N	RL-ER10						RL-ER06
1315-NA	RL-ER10						RL-ER06
1316N	RL-ER10						RL-ER06
1316NA	RL-ER10						RL-ER06
1316NB	RL-ER10						RL-ER06
1316NC	RL-ER10						RL-ER06
1317-N	RL-ER10						RL-ER06
1322N	RL-ER10						RL-ER06
1322NA	RL-ER10						RL-ER06
1322NB	RL-ER10						RL-ER06
1322-NC	RL-ER10						RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
1327N	RL-ER10						RL-ER06
13-N	RL-ER10						RL-ER06
1512N	RL-ER10						RL-ER06
1515N	RL-ER10						RL-ER06
1516N	RL-ER10						RL-ER06
1517N	RL-ER10						RL-ER06
1518N	RL-ER10						RL-ER06
1519N	RL-ER10						RL-ER06
151N	RL-ER10						RL-ER06
153N	RL-ER10						RL-ER06
163N	RL-ER10						RL-ER06
166N	RL-ER10						RL-ER06
1702N	RL-ER10						RL-ER06
1705N	RL-ER10						RL-ER06
1705NA	RL-ER10						RL-ER06
1706N	RL-ER10						RL-ER06
1706NA	RL-ER10						RL-ER06
1707N	RL-ER10						RL-ER06
1712N	RL-ER10						RL-ER06
1714N	RL-ER10						RL-ER06
1714NA	RL-ER10						RL-ER06
1714NB	RL-ER10						RL-ER06
1715-N	RL-ER10						RL-ER06
1722N	RL-ER10						RL-ER06
1723N	RL-ER10						RL-ER06
1724N	RL-ER10						RL-ER06
1723-NX	RL-ER10						RL-ER06
1734N	RL-ER10						
1330N	RL-ER10						RL-ER06
181N	RL-ER10						RL-ER06
181-NA	RL-ER10						RL-ER06
181-NB	RL-ER10						RL-ER06
181-NC	RL-ER10						RL-ER06
181-NE	RL-ER10						RL-ER06
182N	RL-ER10						RL-ER06
183N	RL-ER10						RL-ER06
183-NA	RL-ER10						RL-ER06
183NB	RL-ER10						RL-ER06
183NC	RL-ER10						RL-ER06
183-ND	RL-ER10						RL-ER06
184N	RL-ER10						RL-ER06
184NA	RL-ER10						RL-ER06
184NB	RL-ER10						RL-ER06
184NC	RL-ER10						RL-ER06
184ND	RL-ER10						
184-NE	RL-ER10						RL-ER06
184-NF	RL-ER10						RL-ER06
1900-N	RL-ER10						RL-ER06
1902-N	RL-ER10						RL-ER06
1903-N	RL-ER10						RL-ER06
1904-NA	RL-ER10						RL-ER06
1904-NB	RL-ER10						RL-ER06
1904-NC	RL-ER10						RL-ER06
1908-N	RL-ER10						RL-ER06
155-N	RL-ER10						RL-ER06
185N	RL-ER10						RL-ER06
1802-N	RL-ER10						RL-ER06
1607-N-1	RL-ER10						RL-ER06
1607-N-2	RL-ER10						RL-ER06
1607-N-3	RL-ER10						RL-ER06
1607-N-9	RL-ER10						RL-ER06
117NVH	RL-ER10						RL-ER06
1331N	RL-ER10					RL-TP13	RL-TP13
1332N	RL-ER10					RL-TP13	RL-TP13
MO951	RL-ER10					RL-TP13	RL-TP13
MO952	RL-ER10					RL-TP13	RL-TP13

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
MO957	RL-ER10						RL-TP13
MO954	RL-ER10					RL-TP13	RL-TP13
CP Groundwater Operable Units	RL-ER10					RL-ER08	RL-ER07 RL-ER08
200-BP-5	RL-ER10					RL-ER08	RL-ER08
200-PO-1	RL-ER10					RL-ER08	RL-ER08
200-UP-1	RL-ER10						RL-ER08
200-ZP-1	RL-ER10						RL-ER08
200-ZP-1A	RL-ER10					RL-ER08	RL-ER08
200-ZP-1B	RL-ER10					RL-ER08	RL-ER08
200-ZP-1C	RL-ER10					RL-ER08	RL-ER08
CP Soil Site Operable Units	RL-ER10					RL-ER02 RL-ER05	RL-ER02 RL-ER07
200-BP-1	RL-ER10					RL-ER02	RL-ER02
200-BP-10	RL-ER10					RL-ER02	RL-ER02
200-BP-11	RL-ER10					RL-ER02	RL-ER02
200-BP-2	RL-ER10					RL-ER02	RL-ER02
200-BP-3	RL-ER10					RL-ER02	RL-ER02
200-BP-4	RL-ER10					RL-ER02	RL-ER02
200-BP-6	RL-ER10					RL-ER02	RL-ER02
200-BP-7	RL-ER10					RL-ER02	RL-ER02
200-BP-8	RL-ER10					RL-ER02	RL-ER02
200-BP-9	RL-ER10					RL-ER02	RL-ER02
200-PO-2	RL-ER10					RL-ER02	RL-ER02
200-PO-3	RL-ER10					RL-ER02	RL-ER02
209E						RL-TP10	RL-ER06
200-PO-4	RL-ER10					RL-ER02	RL-ER02
200-PO-5	RL-ER10					RL-ER02	RL-ER02
200-PO-6	RL-ER10					RL-ER02	RL-ER02
200-RO-1	RL-ER10					RL-ER02	RL-ER02
200-RO-2	RL-ER10					RL-ER02	RL-ER02
200-RO-3	RL-ER10					RL-ER02	RL-ER02
200-RO-4	RL-ER10					RL-ER02	RL-ER02
200-SO-1	RL-ER10					RL-ER02	RL-ER02
215C	RL-ER10						RL-ER02
276C	RL-ER10						RL-ER02
200-SS-1	RL-ER10					RL-ER02	RL-ER02
200-SS-2	RL-ER10					RL-ER02	RL-ER02
200-TP-1	RL-ER10					RL-ER02	RL-ER02
200-TP-2	RL-ER10					RL-ER02	RL-ER02
200-TP-3	RL-ER10					RL-ER02	RL-ER02
200-TP-4	RL-ER10					RL-ER02	RL-ER02
200-TP-5	RL-ER10					RL-ER02	RL-ER02
200-TP-6	RL-ER10					RL-ER02	RL-ER02
200-UP-2	RL-ER10					RL-ER02	RL-ER02
200-UP-3	RL-ER10					RL-ER02	RL-ER02
200-ZP-2	RL-ER10					RL-ER02	RL-ER02
200-ZP-3	RL-ER10					RL-ER02	RL-ER02
200 LEF	RL-WM05				RL-WM05		RL-ER02 RL-ER06
242-A Evaporator	RL-WM05				RL-WM05	RL-ER05 RL-TP10	RL-ER06 RL-ER07
242A	RL-WM05				RL-WM05	RL-TP10 RL-TP13	RL-ER06 RL-TP13
242AB	RL-WM05				RL-WM05	RL-TP10 RL-TP13	RL-ER06 RL-TP13
Liquid Effluent Retention Facility	RL-WM05				RL-WM05	RL-ER05 RL-TP10	RL-ER06 RL-ER07
242AL	RL-WM05				RL-WM05		RL-ER06
242AL-42	RL-WM05				RL-WM05	RL-TP10	RL-ER06
242AL-43	RL-WM05				RL-WM05	RL-TP10	RL-ER06
242AL-44	RL-WM05				RL-WM05	RL-TP10	RL-ER06
242AL11	RL-WM05				RL-WM05	RL-TP10	RL-ER06
200 Area Effluent Treatment Facility	RL-WM05				RL-WM05	RL-ER05 RL-TP10	RL-ER06 RL-ER07
2025E	RL-WM05				RL-WM05	RL-TP10	RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
2025EA	RL-WM05				RL-WM05		RL-ER06
2025EC	RL-WM05				RL-WM05	RL-TP10	RL-ER06
2025EC71	RL-WM05				RL-WM05	RL-TP10	RL-ER06
225W	RL-WM05				RL-WM05	RL-TP10	RL-ER06
Miscellaneous Streams	RL-WM05				RL-WM05		RL-ER06
200E SALDS	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
200W SALDS	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
242A702	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
242A81	RL-WM05				RL-WM05	RL-TP13	RL-ER06 RL-TP13
PUREX	RL-TP03					RL-ER05 RL-TP03	RL-ER06 RL-ER07
202A	RL-TP03					RL-TP03	RL-ER06
203A	RL-TP03					RL-TP03	RL-ER06
204A	RL-TP03					RL-TP03	RL-ER06
205A	RL-TP03					RL-TP03	RL-ER06
206A	RL-TP03					RL-TP03	RL-ER06
210A	RL-TP03					RL-TP03	RL-ER06
211A	RL-TP03					RL-TP03	RL-ER06
212A	RL-TP03					RL-TP03	RL-ER06
213A	RL-TP03					RL-TP03	RL-ER06
215A	RL-TP03					RL-TP03	RL-ER06
214A	RL-TP03					RL-TP03	RL-ER06
216A	RL-TP03					RL-TP03	RL-ER06
218E14	RL-TP03					RL-TP03	RL-ER06
218E15	RL-TP10					RL-TP10	RL-ER06
245A	RL-TP03					RL-TP03	RL-ER06
2701AB	RL-TP03					RL-TP03	RL-ER06
2701AC	RL-TP03					RL-TP03	RL-ER06
271A	RL-TP03					RL-TP03	RL-ER06
2712A	RL-TP03					RL-TP03	RL-ER06
2716A	RL-TP03					RL-TP03	RL-ER06
2714A	RL-TP03					RL-TP03	RL-ER06
271AB	RL-TP03					RL-TP03	RL-ER06
276A	RL-TP03					RL-TP03	RL-ER06
281A	RL-TP03					RL-TP03	RL-ER06
291A	RL-TP03					RL-TP03	RL-ER06
291AB	RL-TP03					RL-TP03	RL-ER06
291AC	RL-TP03					RL-TP03	RL-ER06
291AD	RL-TP03					RL-TP03	RL-ER06
291AE	RL-TP03					RL-TP03	RL-ER06
291AG	RL-TP03					RL-TP03	RL-ER06
291AH	RL-TP03					RL-TP03	RL-ER06
291AJ	RL-TP03					RL-TP03	RL-ER06
291AK	RL-TP03					RL-TP03	RL-ER06
292AA	RL-TP03					RL-TP03	RL-ER06
292AB	RL-TP03					RL-TP03	RL-ER06
293A	RL-TP03					RL-TP03	RL-ER06
294A	RL-TP03					RL-TP03	RL-ER06
295A	RL-TP03					RL-TP03	RL-ER06
295A1	RL-TP03					RL-TP03	RL-ER06
295A2	RL-TP03					RL-TP03	RL-ER06
295AA	RL-TP03					RL-TP03	RL-ER06
295AB	RL-TP03					RL-TP03	RL-ER06
295AC	RL-TP03					RL-TP03	RL-ER06
295AD	RL-TP03					RL-TP03	RL-ER06
295AE	RL-TP03					RL-TP03	RL-ER06
217A	RL-TP03					RL-TP03	RL-ER06
252AB	RL-TP03					RL-TP03	RL-ER06
293AA	RL-TP03					RL-TP03	RL-ER06
B Plant	RL-TP01					RL-ER05 RL-TP01	RL-ER06 RL-ER07
207B	RL-TP01						RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
207BA	RL-TP01						RL-ER06
211B	RL-TP01					RL-TP01	RL-ER06
211BB	RL-TP01					RL-TP01	RL-ER06
212B	RL-TP01					RL-TP01	RL-ER06
217B	RL-TP01						RL-ER06
221B	RL-TP01					RL-TP01	RL-ER06
221BA	RL-TP01						RL-ER06
221BB	RL-TP01					RL-TP01	RL-ER06
221BC	RL-TP01					RL-TP01	RL-ER06
221BD	RL-TP01					RL-TP01	RL-ER06
221BE	RL-TP01					RL-TP01	RL-ER06
221BF	RL-TP01					RL-TP01	RL-ER06
221BG	RL-TP01						RL-ER06
222B	RL-TP01					RL-TP01	RL-ER06
2711B	RL-TP01					RL-TP01	RL-ER06
2715B	RL-TP01						RL-ER06
2716B	RL-TP01					RL-TP01	RL-ER06
271B	RL-TP01					RL-TP01	RL-ER06
271BA	RL-TP01						RL-ER06
276B	RL-TP01					RL-TP01	RL-ER06
291B	RL-TP01					RL-TP01	RL-ER06
291BA	RL-TP01					RL-TP01	RL-ER06
291BB	RL-TP01					RL-TP01	RL-ER06
291BC	RL-TP01					RL-TP01	RL-ER06
291BD	RL-TP01					RL-TP01	RL-ER06
291BF	RL-TP01					RL-TP01	RL-ER06
291BG	RL-TP01					RL-TP01	RL-ER06
291BH	RL-TP01					RL-TP01	RL-ER06
291BJ	RL-TP01						RL-ER06
291BK	RL-TP01					RL-TP01	RL-ER06
292B	RL-TP01					RL-TP01	RL-ER06
219B	RL-TP01					RL-TP01	RL-ER06
291BE	RL-TP01					RL-TP01	RL-ER06
WESF	RL-TP02				RL-TP02	RL-ER05 RL-TP02	RL-ER06 RL-ER07
218B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BB	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BC	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BD	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BE	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BG	RL-TP02				RL-TP02	RL-TP02	RL-ER06
225BF	RL-TP02				RL-TP02	RL-TP02	RL-ER06
282B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
282BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
294B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
211BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
272B	RL-TP02				RL-TP02	RL-TP02	RL-ER06
272BA	RL-TP02				RL-TP02	RL-TP02	RL-ER06
272BB	RL-TP02				RL-TP02	RL-TP02	RL-ER06
PFP	RL-TP05					RL-ER05 RL-TP05	RL-ER06 RL-ER07 RL-TP05
216Z9A	RL-TP05					RL-TP05	RL-ER06
216Z9B	RL-TP05					RL-TP05	RL-ER06
216Z9C	RL-TP05					RL-TP05	RL-ER06
225WC	RL-TP05					RL-TP05	RL-ER06
231Z	RL-TP05 RL-TP10					RL-TP10	RL-ER06
232Z	RL-TP05					RL-TP05	RL-ER06
234-5Z	RL-TP05					RL-TP05	RL-ER06
234-5Z-BA	RL-TP05 RL-TP13				RL-I111	RL-TP13	RL-ER06
234-5ZA	RL-TP05					RL-TP05	RL-ER06
234ZB	RL-TP05					RL-TP05	RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
234ZC	RL-TP05					RL-TP05	RL-ER06
236Z	RL-TP05					RL-TP05	RL-ER06
241Z	RL-TP05					RL-TP05	RL-ER06
241ZA	RL-TP05					RL-TP05	RL-ER06
241ZB	RL-TP05					RL-TP05	RL-ER06
241ZG	RL-TP05					RL-TP05	RL-ER06
241ZRB	RL-TP05					RL-TP05	RL-ER06
242Z	RL-TP05					RL-TP05	RL-ER06
243Z	RL-TP05					RL-TP05	RL-ER06
243ZA	RL-TP05					RL-TP05	RL-ER06
243ZB	RL-TP05					RL-TP05	RL-ER06
267Z	RL-TP05					RL-TP05	RL-ER06
2701ZA	RL-TP05					RL-TP05	RL-ER06
2701ZD	RL-TP05					RL-TP05	RL-ER06
2702Z	RL-TP05					RL-TP05	RL-ER06
2704Z	RL-TP05					RL-TP05	RL-ER06
2705Z	RL-TP05					RL-TP05	RL-ER06
270Z	RL-TP05					RL-TP05	RL-ER06
2712Z	RL-TP05					RL-TP05	RL-ER06
2715Z	RL-TP05					RL-TP05	RL-ER06
2715ZL	RL-TP05					RL-TP05	RL-ER06
2721Z	RL-TP05					RL-TP05	RL-ER06
2722Z	RL-TP05					RL-TP05	RL-ER06
2725Z	RL-TP05					RL-TP05	RL-ER06
2727Z	RL-TP05					RL-TP05	RL-ER06
2729Z	RL-TP05					RL-TP05	RL-ER06
2731Z	RL-TP05					RL-TP05	RL-ER06
2731ZA	RL-TP05					RL-TP05	RL-ER06
2734Z	RL-TP05					RL-TP05	RL-ER06
2734ZA	RL-TP05					RL-TP05	RL-ER06
2734ZB	RL-TP05					RL-TP05	RL-ER06
2734ZC	RL-TP05					RL-TP05	RL-ER06
2734ZD	RL-TP05					RL-TP05	RL-ER06
2734ZF	RL-TP05					RL-TP05	RL-ER06
2734ZG	RL-TP05					RL-TP05	RL-ER06
2734ZH	RL-TP05					RL-TP05	RL-ER06
2734ZJ	RL-TP05					RL-TP05	RL-ER06
2734ZK	RL-TP05					RL-TP05	RL-ER06
2734ZL	RL-TP05					RL-TP05	RL-ER06
2735Z	RL-TP05					RL-TP05	RL-ER06
2736Z	RL-TP05					RL-TP05	RL-ER06
2736ZA	RL-TP05					RL-TP05	RL-ER06
2736ZB	RL-TP05					RL-TP05	RL-ER06
2736ZC	RL-TP05					RL-TP05	RL-ER06
2736ZD	RL-TP05					RL-TP05	RL-ER06
2902Z	RL-TP05					RL-TP05	RL-ER06
2904ZA	RL-TP05					RL-TP05	RL-ER06
2904ZB	RL-TP05					RL-TP05	RL-ER06
291Z	RL-TP05					RL-TP05	RL-ER06
291Z1	RL-TP05					RL-TP05	RL-ER06
REDOX	RL-ER02						RL-ER06 RL-ER07
202S	RL-ER02						RL-ER06
207-S	RL-ER02						RL-ER06
211-S	RL-ER02						RL-ER06
233S	RL-ER02						RL-ER06
233SA	RL-ER02						RL-ER06
2706S	RL-ER02						RL-ER06
2708S	RL-ER02						RL-ER06
2710S	RL-ER02						RL-ER06
2711S	RL-ER02						RL-ER06
2715S	RL-ER02						RL-ER06
2718S	RL-ER02						RL-ER06
276S	RL-ER02						RL-ER06
2904SA	RL-ER02						RL-ER06
291S	RL-ER02						RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
291-S1	RL-ER02						RL-ER06
292S	RL-ER02						RL-ER06
293S	RL-ER02						RL-ER06
296-S-1	RL-ER02						RL-ER06
296-S-12	RL-ER02						RL-ER06
296-S-2	RL-ER02						RL-ER06
296-S-4	RL-ER02						RL-ER06
296-S-6	RL-ER02						RL-ER06
296-S-7	RL-ER02						RL-ER06
U Plant	RL-ER02						RL-ER06 RL-ER07
2709A	RL-ER02						RL-ER06
203-U	RL-ER02						RL-ER06
203UX	RL-ER02						RL-ER06
207-U	RL-ER02						RL-ER06
211-U	RL-ER02						RL-ER06
211-UA	RL-ER02						RL-ER06
221U	RL-ER02						RL-ER06
222U	RL-ER02					RL-TP10	RL-ER06
224U	RL-ER02						RL-ER06
224UA	RL-ER02						RL-ER06
2715U	RL-ER02						RL-ER06
2715UA	RL-ER02						RL-ER06
2716U	RL-ER02						
271-U	RL-ER02						RL-ER06
272U	RL-ER02						RL-ER06
272UA	RL-ER02						RL-ER06
275UR	RL-ER02						RL-ER06
291-U	RL-ER02						RL-ER06
291-U1	RL-ER02						RL-ER06
292U	RL-ER02						RL-ER06
296-U-10	RL-ER02						RL-ER06
2714U	RL-ER02					RL-TP03	RL-ER06
2726U	RL-ER02						RL-ER06
T-Plant Canyon Facility	RL-WM04				RL-WM04	RL-ER05 RL-TP10	RL-ER06 RL-ER07
211T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
211T52	RL-WM04				RL-WM04	RL-TP10	RL-ER06
214T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
222T	RL-WM04					RL-TP10	RL-ER06
221T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
221TA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
221TB	RL-WM04				RL-WM04	RL-TP10	RL-ER06
225WA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
231T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2715T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2716T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
271T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
277T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
291T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
292T	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2706T Facility	RL-WM04				RL-WM04	RL-ER05 RL-TP10	RL-ER06 RL-ER07
2706TA	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2706TB	RL-WM04				RL-WM04	RL-TP10	RL-ER06
M-91 Facility	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-TP10	RL-ER06
Low-Level Mixed Waste Stabilization Contract	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-TP10	RL-ER06
Thermal Treatment Contract	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-WM04	RL-TP10	RL-ER06
WRAP	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2336W	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2740W	RL-WM04				RL-WM04	RL-TP10	RL-ER06
2620W	RL-WM04				RL-WM04	RL-TP10	RL-ER06
218W5252	RL-WM04				RL-WM04	RL-TP10	RL-ER06
218W5252A	RL-WM04				RL-WM04	RL-TP10	RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
Tank Farm System					RL-TW01 RL-TW02 RL-TW03 RL-TW04	RL-TW03	RL-TW04
Solid Waste Storage	RL-WM03				RL-WM03	RL-TP10 RL-WM03	RL-ER06
Central Waste Complex	RL-WM03				RL-WM03	RL-WM03	RL-ER06 RL-ER07
2120WA	RL-WM03				RL-WM03		RL-ER06
2120WB	RL-WM03				RL-WM03		RL-ER06
2401W	RL-WM03				RL-WM03		RL-ER06
2404WA	RL-WM03				RL-WM03		RL-ER06
2404WB	RL-WM03				RL-WM03		RL-ER06
2404WC	RL-WM03				RL-WM03		RL-ER06
2402W	RL-WM03				RL-WM03		RL-ER06
2402WB	RL-WM03				RL-WM03		RL-ER06
2402WC	RL-WM03				RL-WM03		RL-ER06
2402WD	RL-WM03				RL-WM03		RL-ER06
2402WE	RL-WM03				RL-WM03		RL-ER06
2402WF	RL-WM03				RL-WM03		RL-ER06
2402WG	RL-WM03				RL-WM03		RL-ER06
2402WH	RL-WM03				RL-WM03		RL-ER06
2402WI	RL-WM03				RL-WM03		RL-ER06
2402WJ	RL-WM03				RL-WM03		RL-ER06
2402WK	RL-WM03				RL-WM03		RL-ER06
2402WL	RL-WM03				RL-WM03		RL-ER06
2403WA	RL-WM03				RL-WM03		RL-ER06
2403WB	RL-WM03				RL-WM03		RL-ER06
2403WC	RL-WM03				RL-WM03		RL-ER06
2403WD	RL-WM03				RL-WM03		RL-ER06
209E Pad	RL-WM03				RL-WM03		RL-ER06
2420W	RL-WM03				RL-WM03		RL-ER06
Alkalide Metal Waste Storage Modules	RL-WM03				RL-WM03		RL-ER06
Nonradioactive Dangerous Waste Storage Facility	RL-WM03				RL-WM03	RL-WM03	RL-ER06 RL-ER07
2727W	RL-WM03				RL-WM03	RL-TP10	RL-ER06
616	RL-WM03				RL-WM03		RL-ER06
Transuranic Storage and Assay Facility	RL-TP10					RL-ER05 RL-TP10	RL-ER06 RL-ER07
224T	RL-TP10					RL-TP10	RL-ER06
Solid Waste Disposal	RL-WM03				RL-WM03	RL-ER02	RL-ER02
Low-Level Waste Burial Grounds	RL-WM03				RL-WM03	RL-ER02 RL-WM03	RL-ER02 RL-ER07
Mixed Waste Disposal Trenches	RL-WM03				RL-WM03	RL-WM03	RL-ER02 RL-ER07
ERDF	RL-ER10				RL-ER04	RL-ER04	RL-ER04 RL-ER07
222-S Laboratory	RL-WM06				RL-WM06	RL-ER05 RL-TP10	RL-ER06 RL-ER07
207SL	RL-WM06				RL-WM06	RL-TP10	RL-ER06
212S/213S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
219S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SA	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SB	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SC	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SD	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SE	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SF	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SG	RL-WM06				RL-WM06	RL-TP10	RL-ER06
222SH	RL-WM06				RL-WM06	RL-TP10	RL-ER06
225WB	RL-WM06				RL-WM06	RL-TP10	RL-ER06
2716S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
2734S	RL-WM06				RL-WM06	RL-TP10	RL-ER06
272S	RL-WM06				RL-WM06	RL-TP10	RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
WSCF	RL-WM06				RL-WM06	RL-ER06	RL-ER06 RL-ER07
6265A	RL-WM06				RL-WM06	RL-ER06	RL-ER06
6265	RL-WM06				RL-WM06	RL-ER06	RL-ER06
6266	RL-WM06				RL-WM06	RL-TP10	RL-ER06
6266B	RL-WM06				RL-WM06	RL-TP10	RL-ER06
6266A	RL-WM06				RL-WM06	RL-TP10	RL-ER06
6267	RL-WM06				RL-WM06	RL-TP10	RL-ER06
6268	RL-WM06				RL-WM06	RL-ER06	RL-ER06
6269	RL-WM06				RL-WM06	RL-ER06	RL-ER06
6270	RL-WM06				RL-WM06	RL-ER06	RL-ER06
CC Soil Site Operable Units	RL-ER10					RL-ER02	RL-ER02 RL-ER07
200-IU-1	RL-ER10					RL-ER02	RL-ER02
200-IU-2	RL-ER10					RL-ER02	RL-ER02
200-IU-3	RL-ER10					RL-ER02	RL-ER02
200-IU-4	RL-ER10					RL-ER02	RL-ER02
200-IU-5	RL-ER10					RL-ER02	RL-ER02
200-IU-6	RL-ER10					RL-ER02	RL-ER02
200-NO-1	RL-ER10					RL-ER02	RL-ER02
S600 Groundwater Operable Units	RL-ER10					RL-ER08	RL-ER07 RL-ER08
300-FF-5	RL-ER10					RL-ER08	RL-ER08
S600 Soil Site Operable Units	RL-ER10					RL-ER03 RL-ER05	RL-ER03 RL-ER07
1100-EM-1	RL-ER10					RL-ER03	RL-ER03
1100-EM-2	RL-ER10					RL-ER03	RL-ER03
1100-EM-3	RL-ER10					RL-ER03	RL-ER03
1100-IU-1	RL-ER10					RL-ER03	RL-ER03
300-FF-1	RL-ER10						RL-ER03
300-FF-2	RL-ER10						RL-ER03
300 LEF	RL-WM05				RL-WM05	RL-ER03 RL-WM05	RL-ER03
307 Retention Basins	RL-WM05				RL-WM05	RL-WM05	RL-ER06 RL-ER07
340 Waste Handling Facility	RL-WM05				RL-WM05	RL-ER05 RL-WM05	RL-ER06 RL-ER07
340	RL-WM05				RL-WM05	RL-WM05	RL-ER06
340A	RL-WM05				RL-WM05	RL-WM05	RL-ER06
340B	RL-WM05				RL-WM05	RL-WM05	RL-ER06
342	RL-WM05				RL-WM05	RL-WM05	RL-ER06
342A	RL-WM05				RL-WM05	RL-WM05	RL-ER06
342B	RL-WM05				RL-WM05	RL-WM05	RL-ER06
342C	RL-WM05				RL-WM05	RL-WM05	RL-ER06
3707F	RL-WM05				RL-WM05	RL-WM05	RL-ER06
FFTF	RL-MS01				RL-MS01	RL-ER05 RL-MS01	RL-ER06 RL-ER07
403	RL-MS01				RL-MS01	RL-MS01	RL-ER06
405	RL-MS01				RL-MS01	RL-MS01	RL-ER06
408A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
408B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
408C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
409A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
409B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
432A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
440	RL-MS01				RL-MS01	RL-MS01	RL-ER06
453A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
453B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
453C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4621E	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4621W	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4703	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4717	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4717A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4718	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4721	RL-MS01				RL-MS01	RL-MS01	RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
4734A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
483	RL-MS01				RL-MS01	RL-MS01	RL-ER06
484	RL-MS01				RL-MS01	RL-MS01	RL-ER06
491E	RL-MS01				RL-MS01	RL-MS01	RL-ER06
491S	RL-MS01				RL-MS01	RL-MS01	RL-ER06
491W	RL-MS01				RL-MS01	RL-MS01	RL-ER06
402	RL-MS01				RL-MS01	RL-MS01	RL-ER06
427	RL-MS01				RL-MS01	RL-MS01	RL-ER06
427A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
436	RL-MS01				RL-MS01	RL-MS01	RL-ER06
437	RL-MS01				RL-MS01	RL-MS01	RL-ER06
451A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4701A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4701C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4710	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4713A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4713B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4713C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4713D	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4716	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4726	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4727	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4732A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4732B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4732C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4791TC	RL-MS01				RL-MS01	RL-MS01	RL-ER06
480A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
480B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
480D	RL-MS01				RL-MS01	RL-MS01	RL-ER06
481	RL-MS01				RL-MS01	RL-MS01	RL-ER06
481A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
482A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
482B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
482C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
483A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
483B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4802	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4814	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4831	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4842A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4842B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4862	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4734C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4718TC	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4622	RL-MS01					RL-MS01	RL-ER06
300 Area Fuel Supply System	RL-TP04					RL-ER05 RL-TP04	RL-ER06 RL-ER07
303B	RL-TP04					RL-TP04	RL-ER06
303A	RL-TP04					RL-TP04	RL-ER06
303E	RL-TP04					RL-TP04	RL-ER06
303F	RL-TP04					RL-TP04	RL-ER06
303G	RL-TP04					RL-TP04	RL-ER06
303K	RL-TP04					RL-TP04	RL-ER06
303M	RL-TP04					RL-TP04	RL-ER06
304/304A	RL-TP04					RL-TP04	RL-ER06
313	RL-TP04					RL-TP04	RL-ER06
333	RL-TP04					RL-TP04	RL-ER06
334	RL-TP04					RL-TP04	RL-ER06
334A	RL-TP04					RL-TP04	RL-ER06
3707G	RL-TP04					RL-TP04	RL-ER06
3712	RL-TP04					RL-TP04	RL-ER06
3716	RL-TP04					RL-TP04	RL-ER06
MO052	RL-TP04 RL-TP13				RL-TP04	RL-TP13	RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
308 Facility	RL-ER05						RL-ER06 RL-ER07
308A	RL-ER05						RL-ER06
309 Facility	RL-TP11					RL-ER05 RL-TP11	RL-ER06
NE Legacy Facilities	RL-TP11					RL-TP11	RL-ER05
335 Sodium Test Facility	RL-TP11					RL-TP11 RL-TP14	RL-ER05
337B	RL-TP11					RL-TP11 RL-TP14	RL-ER05
3718M	RL-TP11					RL-TP11 RL-TP14	RL-ER05
Misc Engineering Laboratories	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
336	RL-ST01				RL-ST01	RL-TP13	RL-ER06 RL-ER07
338	RL-ST01				RL-ST01	RL-TP13	RL-ER06 RL-ER07
324 Facility	RL-TP08					RL-ER05 RL-TP08	RL-ER06 RL-ER07
324	RL-TP08					RL-TP08	RL-ER06
324A	RL-TP08					RL-TP08	RL-ER06
324D	RL-TP08					RL-TP08	RL-ER06
3718E	RL-TP08					RL-TP08	RL-ER06
3718G	RL-TP08				RL-TP08	RL-TP08	RL-ER06
325 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
326 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
327 Facility	RL-TP08					RL-ER05 RL-TP08	RL-ER06 RL-ER07
327	RL-TP08					RL-ER05 RL-TP08	RL-ER06 RL-ER07
3723	RL-TP08					RL-TP08	RL-ER06
329 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
306W	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
Misc Radiological Facilities	RL-ST01 RL-TP14				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
2718E	RL-ST01				RL-ST01	RL-TP10	RL-ER06
303C	RL-ST01				RL-ST01	RL-TP14	RL-ER06
305B	RL-ST01				RL-ST01	RL-TP14	RL-ER03
314	RL-ST01					RL-TP14	RL-ER06
314B	RL-ST01				RL-ST01	RL-TP14	RL-ER06
318	RL-ST01				RL-ST01	RL-TP14	RL-ER06 RL-ER07
320	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
321 Facility						RL-TP14	RL-ER06
321						RL-TP14	RL-ER06
321B						RL-TP14	RL-ER06
321C						RL-TP14	RL-ER06
321D						RL-TP14	RL-ER06
323	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3706						RL-TP14	RL-ER06
3706A						RL-TP14	RL-ER06
3708	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3720	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3730	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3731A	RL-ST01					RL-TP14	RL-ER03
3745	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3745B	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3746A						RL-TP14	RL-ER06
377						RL-TP14	RL-ER06

Table 4-60 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
331 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
331	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331A	RL-ST01						RL-ER06
331B	RL-ST01					RL-TP14	RL-ER06
331C	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331D	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331 Dog Run	RL-ST01					RL-TP14	RL-ER06
331G	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331H	RL-ST01				RL-ST01	RL-TP14	RL-ER06
Water System	RL-I112 RL-TP13				RL-I112 RL-TP13	RL-TP13	RL-TP13
183C	RL-ER10						
Environmental Support Facilities	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
100LYS							RL-ER01
6652H	RL-ST01				RL-ST01	RL-TP10	RL-ER02
300LYS	RL-ST01				RL-ST01	RL-ST01	RL-ER03
3731	RL-ST01				RL-ST01		RL-ER03
3762	RL-ST01				RL-ST01		RL-ER03
3764	RL-ST01				RL-ST01		RL-ER03
350A	RL-ST01				RL-ST01		RL-ER03
350D	RL-ST01				RL-ST01		RL-ER03

* RL PBS Identifier Index:

RL-ER01 - 100 Area Source Remedial Action
RL-ER02 - 200 Area Source Remedial Action
RL-ER03 - 300 Area Source Remedial Action
RL-ER04 - ER Disposal Facility (ERDF)
RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-ER08 - Groundwater Management
RL-ER09 - N Area Deactivation
RL-ER10 - ER Program Management and Support
RL-I111 - Steam Utilities
RL-I112 - Water Utilities
RL-MS01 - FFTF Project
RL-ST01 - PNNL Waste Management
RL-TP01 - B-Plant
RL-TP02 - WESF
RL-TP03 - PUREX
RL-TP04 - 300 Area/SNM
RL-TP05 - PFP
RL-TP08 - 324/327 Facility Transition
RL-TP10 - Accelerated Deactivation
RL-TP11 - Advanced Reactors Transition
RL-TP13 - Landlord
RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization
RL-TW01 - Tank Waste Characterization
RL-TW02 - Tank Safety Issue Resolution
RL-TW03 - Tank Farm Operations
RL-TW04 - Retrieval
RL-WM01 - Spent Nuclear Fuel Project
RL-WM03 - Solid Waste Storage & Disposal
RL-WM04 - Solid Waste Treatment
RL-WM05 - Liquid Effluents
RL-WM06 - Analytical Services

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
RoR Soil Site Operable Units	Active		RL-ER01 RL-ER05	RL-ER01 RL-ER07 RL-ER09
100-B-10, 107-B Basin Leak and Warm Springs	Active		RL-ER01	RL-ER01
100-B-11, 115-B/C Caisson Site, 115-BC Sump, 115-BC Drywell, 115-B Tank, 115-B/C Caisson Valve Pit	Active		RL-ER01	RL-ER01
100-B-2, 181-B Backwash Trench, Backwash Trench, Undocumented Liquid Waste Site	Active	RL-TP13	RL-ER01	RL-ER01
100-B-3, Hot Thimble Burial Ground, Undocumented Solid Waste Site	Active	RL-TP13	RL-ER01	RL-ER01
100-B-5, Effluent Vent Disposal Trench, 116-B-9, 105-B Effluent Vent Trench	Active		RL-ER01	RL-ER01
100-B-8, 100-B Reactor Cooling Water Effluent Underground Pipelines	Active		RL-ER01	RL-ER01
116-B-1, 107-B Liquid Waste Disposal Trench	Active		RL-ER01	RL-ER01
116-B-10, 108-B Dry Well, Quench Tank	Active		RL-ER01	RL-ER01
116-B-11, 107-B Retention Basin, 116-B-11 Retention Basin	Active		RL-ER01	RL-ER01
116-B-12, 117-B Crib, 117-B Seal Pit Crib	Active		RL-ER01	RL-ER01
116-B-13, 107-B South Sludge Trench, 116-B-8, 107-B #2 Grave, Basin Sludge Burial Pit	Closed Out		RL-ER01	
116-B-14, 107-B North Sludge Trench, 107-B Liquid Waste Disposal Trench No. 1, 116-B-2, 107-B #1 Grave	Closed Out		RL-ER01	
116-B-15, 105-B Fuel Storage Basin Cleanout Percolation Pit, 105-B Fuel Storage Discharge Pond, 105-B Pond	Active		RL-ER01	RL-ER01
116-B-16, 111-B Fuel Examination Tank	Active		RL-ER01	RL-ER01
116-B-2, 105-B Storage Basin Trench, B-Storage Basin Crib	Active		RL-ER01	RL-ER01
116-B-3, 105-B Pluto Crib	Active		RL-ER01	RL-ER01
116-B-4, 105-B Dummy Decontamination French Drain, 105-B Dummy Decontamination Disposal Crib	Active		RL-ER01	
116-B-6A, 111-B Crib No. 1, 116-B-6-1	Active		RL-ER01	RL-ER01
116-B-6B, 111-B Crib No. 2, 116-B-6-2	Active		RL-ER01	RL-ER01
116-B-7, 1904-B-1 Outfall Structure, 1904-B1	Active		RL-ER01	RL-ER01
116-B-9, 104-B-2 French Drain	Active		RL-ER01	RL-ER01
116-C-5, 116-C-5 Retention Basins, 107-C Retention Basins	Active		RL-ER01	RL-ER01
118-B-10, Ball 3X Storage Vault	Active		RL-ER01	RL-ER01
118-B-5, Ball 3X Burial Ground	Active		RL-ER01	RL-ER01
118-B-7, 111-B Solid Waste Burial Site	Active		RL-ER01	RL-ER01
118-B-8, 105-B Reactor Building, B Reactor	Active		RL-ER01	RL-ER01
118-B-9, 104-B-1 Tritium Vault and 104-B-2 Tritium Laboratory, 104-B2 Storage Building	Active		RL-ER01	RL-ER01
120-B-1, 105-B Battery Acid Sump	Active		RL-ER01	RL-ER01
126-B-2, 183-B Clearwells	Active		RL-ER01	RL-ER01
126-B-3, 184-B Coal Pit	Active		RL-ER01	RL-ER01
126-B-4, B Area Brine and Salt Dilution Pits, 126-B-4 Brine Pit. 184-B Salt Dissolving Pit and Brine Pump House	Rejected			RL-ER01
128-B-1, 100 B/C Burning Pit, 100-B Burning Pit	Rejected			RL-ER01
128-B-2, 100-B Burn Pit #2	Active		RL-ER01	RL-ER01
128-B-3, 100-B Dump Site, 128-B-3 Coal Ash and Demolition Waste Site, 128-B-3 Burning Pit Site, 600-57	Active		RL-ER01	RL-ER01
132-B-1, 108-B Tritium Separation Facility	Active		RL-ER01	RL-ER01
132-B-2, 116-B Reactor Exhaust Stack, 132-B-2 Stack	Active		RL-ER01	RL-ER01
132-B-3, 108-B Ventilation Exhaust Stack Site, 108-B Tritium Pilot Facility, Ventilation Exhaust Stack Site	Active		RL-ER01	RL-ER01
132-B-4, 117-B Filter Building	Active		RL-ER01	RL-ER01
132-B-5, 115-B/C Gas Recirculation Facility	Active		RL-ER01	RL-ER01
132-B-6, 1904-B-2 Outfall Structure Site, 116-B-8, 1904-B2	Active		RL-ER01	RL-ER01
132-C-2, 1904-C Outfall, 116-C-4	Active		RL-ER01	RL-ER01
1607-B1, 1607-B1 Septic Tank System, 124-B-1, 1607-B1 Sanitary Sewer System	Active		RL-ER01	RL-ER01
1607-B2, 1607-B2 Septic Tank System, 124-B-2, 1607-B2 Sanitary Sewer System	Active		RL-ER01	RL-ER01
1607-B3, 1607-B3 Septic Tank System, 124-B-3, 1607-B3 Sanitary Sewer System Site	Active		RL-ER01	RL-ER01
1607-B4, 1607-B4 Septic Tank System, 124-B-6, 1607-B4 Sanitary Sewer System, 1607-B4 Septic Tank	Active	RL-TP13	RL-ER01	RL-ER01
1607-B5, 1607-B5 Septic Tank System, 1607-B4, 1607-B4 Septic Tank System, 124-B-4, 1607-B4 Sanitary Sewer System	Active	RL-TP13	RL-ER01	RL-ER01

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
1607-B6, 1607-B6 Septic Tank System, 1607-B5, 1607-B5 Septic Tank System, 124-B-5, 1607-B5 Sanitary Sewer System	Active	RL-TP13	RL-ER01	RL-ER01
1607-B7, 1607-B7 Septic Tank System, 1607-B7 Sanitary Sewer System, 124-C-1	Active		RL-ER01	RL-ER01
600-230, RCRA General Inspection 200WFY97 Item #4 Historic Disposal Site	Active	RL-TP13	RL-ER01	RL-ER01
600-34, 100-B Baled Tumbleweed Disposal Site	Rejected			RL-ER01
600-67, Bruggemann's Fruit Storage Warehouse	Active	RL-TP13	RL-ER01	RL-ER01
100-B-1, Surface Chemical and Solid Waste Dumping Area, Laydown Yard	Active		RL-ER01	RL-ER01
100-C-3, 119-C Sample Building French Drain, 119-C French Drain	Active		RL-ER01	RL-ER01
100-C-6, 100-C Reactor Cooling Water Effluent Underground Pipelines	Active		RL-ER01	RL-ER01
100-C-7, 183-C Filter Building /Pumproom Facility Foundation and Demolition Waste	Active		RL-ER01	RL-ER01
116-C-2A, 105-C Pluto Crib, 116-C-2, 105-C Crib	Active		RL-ER01	RL-ER01
116-C-2B, 105-C Pluto Crib Pump Station, 116-C-2-1, 116-C-2B Pump Station	Active		RL-ER01	RL-ER01
116-C-2C, 105-C Pluto Crib Sand Filter, 116-C-2-2, 116-C-8	Active		RL-ER01	RL-ER01
116-C-3, 105-C Chemical Waste Tanks	Active		RL-ER01	RL-ER01
116-C-6, 105-C Fuel Storage Basin Cleanout Percolation Pit, 105-C Pond	Active		RL-ER01	RL-ER01
118-B-1, 105-B Burial Ground, 105-B Solid Waste Burial Ground, Operations, Solid Waste Burial Ground, 108-B Burial Ground, Ext. to BG No. 1	Active		RL-ER01	RL-ER01
118-B-2, Construction Burial Ground No. 1, Minor Construction Burial, Ground No. 1	Active		RL-ER01	RL-ER01
118-B-3, Construction Burial Ground No. 2	Active		RL-ER01	RL-ER01
118-B-4, 105-B Spacer Burial Ground, 105-B Dummy Burial Ground	Active		RL-ER01	RL-ER01
118-B-6, 108-B Solid Waste Burial Ground, 108-B Solid Waste Burial Ground, No. 2	Active		RL-ER01	RL-ER01
118-C-1, 105-C Burial Ground, 105-C Solid Waste Burial Ground, 118-C-1, Burial Ground	Active		RL-ER01	RL-ER01
118-C-2, 105-C Ball Storage Tank, Ball 3X Storage Tank	Active		RL-ER01	RL-ER01
118-C-3, 105-C Reactor Building	Active		RL-ER01	RL-ER01
118-C-4, 105-C Horizontal Control Rod Storage Cave	Active		RL-ER01	RL-ER01
128-C-1, 100-C Burning Pit	Active		RL-ER01	RL-ER01
132-C-1, 116-C Reactor Exhaust Stack Site, 105-C Reactor Stack Site,	Active		RL-ER01	RL-ER01
132-C-3, 117-C Filter Building	Active		RL-ER01	RL-ER01
1607-B10, 1607-B10 Septic Tank System, Sewage Disposal Field	Active		RL-ER01	RL-ER01
1607-B11, 1607-B11 Septic Tank System	Active		RL-ER01	RL-ER01
1607-B8, 1607-B8 Septic Tank System, 124-C-2, 1607-B8 Sanitary Sewer System, Septic Tank & Disposal Field for 190-C Pumphouse	Active		RL-ER01	RL-ER01
1607-B9, 1607-B9 Septic Tank System, 1607-B9 Sanitary Sewer System, 124-C-3	Active		RL-ER01	RL-ER01
600-232, 100B Electrical Laydown Area	Active	RL-TP13	RL-ER01	RL-ER01
600-33, 105-C Reactor Test Loop Burial Site	Active		RL-ER01	RL-ER01
100-D-1, Contaminated Drain, Contaminated Storm Drain	Active		RL-ER01	RL-ER01
100-D-10, Storm Drain Outfall, Undocumented Liquid Waste Site	Rejected			RL-ER01
100-D-18, Sludge Trench #4, 107-D Sludge Trench #4, 107-D-4, 107-D4	Active		RL-ER01	
100-D-19, Sludge Trench #6, 107-D Sludge Trench #6	Active		RL-ER01	RL-ER01
100-D-2, Solid Waste Site, Lead Sheeting	Active		RL-ER01	RL-ER01
100-D-20, Sludge Trench #3, 107-D Sludge Trench #3, 107-D-3, 107-D3	Active		RL-ER01	
100-D-21, Sludge Trench #2, 107-DR Sludge Trench #2, 107-D-2, 107-D2	Active		RL-ER01	
100-D-24, 119D Sample Building Drywell	Active		RL-ER01	RL-ER01
100-D-25, Unplanned Release: 107-DR Basin Leaks	Active		RL-ER01	RL-ER01
100-D-29, Effluent Line Leak #2	Active		RL-ER01	RL-ER01
100-D-3, Solid Waste Burial Ground, Silica Gel	Active		RL-ER01	RL-ER01
100-D-30, 190-D Sodium Dichromate Soil Contamination, 185-D, 189-D Decontamination & Demolition Project, 185-D Sodium Dichromate Trench & Sump	Active		RL-ER01	RL-ER01
100-D-31,100-D Water Treatment Facilities Underground Pipelines	Active			RL-ER01
100-D-32, Minor Construction Burial Ground #6	Active		RL-ER01	RL-ER01
100-D-33, Minor Construction Burial Ground #4 East Trench	Active		RL-ER01	RL-ER01
100-D-35, Minor Construction Burial Ground #4 West Trench	Active		RL-ER01	RL-ER01
100-D-38, Suspect Septic Tank	Rejected			RL-ER01
100-D-4, Sludge Trench #5, 107-DR Sludge Trench #5, 107-D-5, 107-D5	Active		RL-ER01	
100-D-41, Minor Construction Burial Ground #5 Trench, 118-18, 118-D-18	Active		RL-ER01	RL-ER01
100-D-42, Buried VSR Thimble Site	Active		RL-ER01	RL-ER01

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
100-D-45, Buried VSR Thimble Site, Burial Ground 4B, 118-D-4B	Active		RL-ER01	RL-ER01
100-D-48, 100-D Reactor Cooling Water Effluent Underground Pipelines	Active		RL-ER01	RL-ER01
100-D-49, 100-DR Reactor Cooling Water Effluent Underground Pipelines	Active		RL-ER01	RL-ER01
100-D-5, Waste Site Near 103-D, Undocumented Solid Waste Site, Undocumented Solid Waste Site Near 103-D	Active		RL-ER01	RL-ER01
100-D-52, 105-D Downcomer Insulation Space Dry Well	Active		RL-ER01	RL-ER01
100-D-56, 100-D Area Sodium Dichromate Underground Supply Lines	Active		RL-ER01	RL-ER01
100-D-6, Buried VSR Thimble, Minor Construction Burial Ground #1, Burial Ground 4D, 118-D-4D	Active		RL-ER01	RL-ER01
100-D-7, Undocumented Solid Waste Site	Active		RL-ER01	RL-ER01
100-D-8, 105-DR Process Sewer Outfall Site, Undocumented Liquid Waste Site, 1907-DR	Active		RL-ER01	RL-ER01
100-D-9, 184-DA Boiler Oil Tank	Active		RL-ER01	RL-ER01
116-D-10, 105-D Fuel Storage Basin Cleanout Percolation Pit, 105-D Fuel Storage Discharge Ponds, 105-D Ponds	Active		RL-ER01	RL-ER01
116-D-1A, 105-D Storage Basin Trench #1	Active			RL-ER01
116-D-1B, 105-D Storage Basin Trench #2	Active		RL-ER01	RL-ER01
116-D-2, 105-D Pluto Crib, 116-D-2A	Active		RL-ER01	RL-ER01
116-D-3, 108-D Crib #1	Active		RL-ER01	RL-ER01
116-D-4, 108-D Crib #2	Active		RL-ER01	RL-ER01
116-D-5, 1904-D Outfall Structure	Active		RL-ER01	RL-ER01
116-D-6, 105-D Cushion Corridor French Drain	Active		RL-ER01	RL-ER01
116-D-7, 107-D Retention Basin, 107-D	Active		RL-ER01	
116-D-9, 117-D Crib, 117-D Seal Pit Crib	Active		RL-ER01	RL-ER01
116-DR-1&2, 107-DR Liquid Waste Disposal Trench #1, 107-DR Liquid Waste Disposal Trench #2, 116-DR-1, 116-DR-2	Active		RL-ER01	RL-ER01
116-DR-5, 1904-DR Outfall Structure, 1904-DR	Active		RL-ER01	RL-ER01
116-DR-9, 107-DR Retention Basin, 107-DR	Active		RL-ER01	RL-ER01
118-D-6, 105-D Reactor Building	Active		RL-ER01	RL-ER01
120-D-1, 100-D Ponds	Active		RL-ER01	RL-ER01
120-D-2, 186-D Waste Acid Reservoir	Active		RL-ER01	RL-ER01
126-D-2, 184-D Coal Pit/Burial Ground	Active		RL-ER01	RL-ER01
126-D-3, D Area Brine and Salt Dilution Pits, 184-D Salt Dissolving Pit and Brine Pump House	Rejected			RL-ER01
128-D-2	Active		RL-ER01	RL-ER01
130-D-1, 1716-D Gasoline Storage Tank, 1706-D Gasoline Storage Tank	Active		RL-ER01	RL-ER01
132-D-1, 115-D/DR Gas Recirculating Facility	Active		RL-ER01	RL-ER01
132-D-2, 117-D Filter Building	Active		RL-ER01	RL-ER01
132-D-3, 1608-D Waste Water Pumping Station, 1608-D Effluent Pumping Station	Active		RL-ER01	RL-ER01
132-D-4, 105-D Reactor Exhaust Stack	Active		RL-ER01	RL-ER01
1607-D2, 1607-D2 Septic Tank and Associated Drain Fields, 124-D-2, 1607-D2 Sanitary Sewer System, 1607-D2 Septic Tank	Active		RL-ER01	
1607-D4, 1607-D4 Septic Tank and Associated Drain Field, 124-D-4, 1607-D4 Sanitary Sewer System, 1607-D4 Septic Tank	Active		RL-ER01	RL-ER01
1607-D5, 1607-D5 Septic Tank and Associated Drain Field, 124-D-5, 1607-D5 Sanitary Sewer System, 1607-D5 Septic Tank	Active	RL-TP13	RL-ER01	RL-ER01
628-3	Active		RL-ER01	RL-ER01
UPR-100-D-1, Oil Soaked Soil	Active		RL-ER01	RL-ER01
UPR-100-D-2, Effluent Line Leak #1	Active		RL-ER01	RL-ER01
UPR-100-D-3, Effluent Line Leak #3	Active		RL-ER01	RL-ER01
UPR-100-D-4, Unplanned Release: 107-D Basin Leaks	Active		RL-ER01	RL-ER01
UPR-100-D-5, Effluent Line Leak #4	Active		RL-ER01	RL-ER01
100-D-11, Temporary Garage and Gasoline Dispensing Station, Temporary Garage TC-21	Rejected			RL-ER01
100-D-12, Sodium Dichromate / Acid Railcar and Truck Unload Station and Associated French Drain, Undocumented Liquid Waste Site	Active		RL-ER01	RL-ER01
100-D-13, Unnumbered Septic System A, Septic Tank D-13, 100 DR Area Sewage Disposal Unit.124-DR-3, 1607-DR3	Active		RL-ER01	RL-ER01
100-D-14, Unnumbered Septic Tank #2, Unnumbered Septic System (b)	Active		RL-ER01	RL-ER01
100-D-15, Debris North of 100-D Area Perimeter Road and Debris South of 100-D Perimeter Road - within 100-D-55 (Gravel Pit #21)	Active		RL-ER01	RL-ER01
100-D-17, Burn Pit, Undocumented Solid Waste Site	Rejected			RL-ER01
100-D-23, 119-DR Sample Building Drywell	Active		RL-ER01	RL-ER01

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
100-D-27, 151-D Substation UPR, A-2 Substation Transformer #A401C Leak	Active	RL-TP13	RL-ER01	RL-ER01
100-D-28, 190-DR Building Septic System	Active		RL-ER01	RL-ER01
100-D-40, Minor Construction Burial Ground #5 Hole	Active		RL-ER01	RL-ER01
100-D-43, Buried VSR Thimble Site, Burial Ground 4C, 118-D-4C	Active		RL-ER01	RL-ER01
100-D-46, Burial Ground 4A, 118-D-4A	Active		RL-ER01	RL-ER01
100-D-47, Construction C.G. 558-Rod Burial, Burial Ground 4E, 118-D-4E	Active		RL-ER01	RL-ER01
100-D-53, 117-DR Filter Building, 117-DR HEPA Filter Building	Active		RL-ER01	RL-ER01
100-D-54, Drywell Near Fire Facility Gravel Scrubber	Active		RL-ER01	RL-ER01
116-D-8, 100-D Cask Storage Pad	Active		RL-ER01	RL-ER01
116-DR-10, 105-DR Fuel Storage Basin Cleanout Percolation, 105-DR Fuel Storage Discharge Pond, 105-DR Pond	Active		RL-ER01	RL-ER01
116-DR-3, 105-DR Storage Basin Trench	Active		RL-ER01	RL-ER01
116-DR-4, 105-DR Pluto Crib	Active		RL-ER01	RL-ER01
116-DR-6, 1608-DR Liquid Disposal Trench, Wash Pad Liquid Waste Site 3C	Active		RL-ER01	RL-ER01
116-DR-7, 105-DR Inkwell Crib	Active		RL-ER01	RL-ER01
116-DR-8, 117-DR Crib, 117-DR Seal Pit Crib	Active		RL-ER01	RL-ER01
118-D-1, 100-D Burial Ground No. 1	Active		RL-ER01	RL-ER01
118-D-2, 100-D Burial Ground No. 2	Active		RL-ER01	RL-ER01
118-D-3, 100-D Burial Ground No. 3	Active		RL-ER01	RL-ER01
118-D-4, Construction Burial Ground, Burial Ground 4F, 118-D-4F	Active		RL-ER01	RL-ER01
118-D-5, Ball 3X Burial Ground, Burial Ground 4G, 118-D-4G	Active		RL-ER01	RL-ER01
118-DR-1, 105-DR Gas Loop Burial Ground	Active		RL-ER01	RL-ER01
118-DR-2, 105-DR Reactor Building, 105-DR	Active		RL-ER01	RL-ER01
122-DR-1, 105-DR Sodium Fire Facility, 105-DR Large Sodium Fire Facility	Active		RL-ER01	RL-ER01
126-DR-1, 190-DR Clearwell Tank Pit	Active		RL-ER01	RL-ER01
128-D-1, 100 D/DR Burning Pit	Active		RL-ER01	RL-ER01
132-DR-1, 1608-DR Waste Water Pumping Station, 1608-DR Effluent Pumping Station	Active		RL-ER01	RL-ER01
132-DR-2, 116-DR Reactor Exhaust Stack	Active		RL-ER01	RL-ER01
1607-D1, 1607-D1 Septic Tank and Associated Drain Field, 124-D-1, 1607-D1 Sanitary Sewer System, 1607-D1 Septic Tank	Active		RL-ER01	RL-ER01
1607-D3, 1607-D3 Septic Tank and Associated Drain Field, 1607-D3 Sanitary Sewer System, 1607-D3 Septic Tank	Active	RL-TP13	RL-ER01	RL-ER01
600-30, 100-DR Construction Lay-down Area	Active		RL-ER01	RL-ER01
100-F-10, French Drain at East End of 105-F Storage Room (Southeast Corner)	Active		RL-ER01	RL-ER01
100-F-11, 108-F Building 18 inch French Drain	Active		RL-ER01	RL-ER01
100-F-12, 36 inch French Drain at 105-F Building	Active		RL-ER01	RL-ER01
100-F-16, 108-F Building 30-inch French Drain, Undocumented	Active		RL-ER01	RL-ER01
100-F-18, 105-F Condensate Drain Field, Underground Tank at 105-F Building, Undocumented	Active		RL-ER01	RL-ER01
100-F-19, 100-F Reactor Cooling Water Effluent Underground Pipelines, Contaminated Underground Lines, Effluent Water System, 1904-F Process Sewer	Active		RL-ER01	RL-ER01
100-F-23, 141-C Drywell	Active		RL-ER01	RL-ER01
100-F-24, 145-F Drywell	Active		RL-ER01	RL-ER01
100-F-25, 146-FR Drywells	Active		RL-ER01	RL-ER01
100-F-26, 100-F Water Treatment Facility Underground Pipelines	Active		RL-ER01	RL-ER01
100-F-29, 100-F Experimental Animal Farm Process Sewer Pipelines	Active		RL-ER01	RL-ER01
100-F-31, 144-F Sanitary Sewer System	Active		RL-ER01	RL-ER01
100-F-33, 146-F Aquatic Biology Fish Ponds	Active		RL-ER01	RL-ER01
100-F-34, Biology Facility French Drain	Active		RL-ER01	RL-ER01
100-F-4, 108-F Building 12-inch French Drain	Active		RL-ER01	RL-ER01
100-F-5, 1717-F Building Drywell	Rejected			RL-ER01
100-F-6, 1716 FA Fuel Tank and Pump	Rejected			RL-ER01
100-F-7, Underground Fuel Tank - 1705-F Building	Active		RL-ER01	RL-ER01
100-F-8, French Drains Near 105-F Gate	Rejected			RL-ER01
100-F-9, French Drain at East End of 105-F Storage Room (Northeast Corner)	Active		RL-ER01	RL-ER01
116-F-1, Lewis Canal	Active		RL-ER01	RL-ER01
116-F-10, 105-F Dummy Decontamination French Drain, 116-F-8, 105 Dummy/Perf Decontamination Crib, Perf Decontamination Drain	Active		RL-ER01	RL-ER01
116-F-11, 105-F Cushion Corridor French Drain	Active		RL-ER01	RL-ER01
116-F-12, 148-F French Drain	Active		RL-ER01	RL-ER01

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
116-F-13, 1705-F Experimental Garden French Drain	Rejected			RL-ER01
116-F-14, 107-F Retention Basin, 107-F	Active		RL-ER01	RL-ER01
116-F-15, 108-F Radiation Crib	Active		RL-ER01	RL-ER01
116-F-16, PNL Outfall	Active		RL-ER01	RL-ER01
116-F-2, 107-F Liquid Waste Disposal Trench	Active		RL-ER01	RL-ER01
116-F-3, 105-F Storage Basin Trench	Active		RL-ER01	RL-ER01
116-F-4, 105-F Pluto Crib	Active		RL-ER01	RL-ER01
116-F-5, Ball Washer Crib	Active		RL-ER01	RL-ER01
116-F-6, 1608-F Liquid Waste Disposal Trench, 105-F Cooling Water Trench	Active		RL-ER01	RL-ER01
116-F-7, 117-F Crib, 116-F-7 Seal Pit Water Crib	Active		RL-ER01	RL-ER01
116-F-8, 1904-F Outfall Structure	Active		RL-ER01	RL-ER01
116-F-9, Animal Waste Leaching Trench	Active		RL-ER01	RL-ER01
118-F-8, 105-F Reactor Building	Active		RL-ER01	RL-ER01
126-F-2, 183-F Clearwells	Active		RL-ER01	RL-ER01
128-F-2, 100-F Burning Pit	Active		RL-ER01	RL-ER01
132-F-1, 132-F-1 Chronic Feeding Barn, 141-F, 141-F Sheep Barn	Active		RL-ER01	RL-ER01
132-F-3, 115-F Gas Recirculating Facility	Active		RL-ER01	RL-ER01
132-F-4, 116-F Reactor Stack, 116-F Reactor Exhaust Stack, 132-F-4 Reactor Stack Demolition Site	Active		RL-ER01	RL-ER01
132-F-5, 117-F Filter Building	Active		RL-ER01	RL-ER01
132-F-6, 1608-F Waste Water Pumping Station, 1608-F Effluent Pumping Station, 132-F-6 Lift Station	Active		RL-ER01	RL-ER01
141-C, 141-C Animal Barn, Large Animal Barn & Biology Laboratory, Hog Barn	Active		RL-ER01	RL-ER01
1607-F2, 1607-F2 Septic Tank, 124-F-2, 1607-F2 Sanitary Sewer System	Active		RL-ER01	RL-ER01
1607-F3, 1607-F3 Septic Tank, 124-F-3, 1607-F3 Sanitary Sewer System	Active		RL-ER01	RL-ER01
1607-F4, 1607-F4 Septic Tank, 124-F-4, 1607-F4 Sanitary Sewer System	Active		RL-ER01	RL-ER01
1607-F5, 1607-F5 Septic Tank, 124-F-5, 1607-F5 Sanitary Sewer System	Active		RL-ER01	RL-ER01
1607-F6, 1607-F6 Septic Tank, 124-F-6, 1607-F6 Sanitary Sewer System	Active		RL-ER01	RL-ER01
1607-F7, 141-M Building Septic Tank, 124-F-7	Active		RL-ER01	RL-ER01
182-F, 182-F Reservoir	Active		RL-ER01	RL-ER01
UPR-100-F-1, 141 Building Sewer Line Spill, UN-100-F-1, 141-C to 141-M Sewer Line Leak	Active		RL-ER01	RL-ER01
UPR-100-F-2, Basin Leak Ditch, 107-F Basin Leak Ditch, 100-F-3	Active		RL-ER01	RL-ER01
UPR-100-F-3, Mercury Spill	Active		RL-ER01	RL-ER01
100-F-1, 100-FR-2 Depression	Rejected			RL-ER01
100-F-14, 100-FR-2 Vent Pipe, 100-F Carpenter Shop Waste Site Vent	Active		RL-ER01	RL-ER01
100-F-15, 108-F Building Ventilation French Drain, Undocumented	Active		RL-ER01	RL-ER01
100-F-2, Strontium Garden, PNL Ecological Study Strontium Garden	Active		RL-ER01	RL-ER01
100-F-20, PNL Parallel Pits	Active		RL-ER01	RL-ER01
100-F-28, Septic Tank and Drainfield	Active	RL-TP13	RL-ER01	RL-ER01
100-F-35, Soil Contamination Area inside the 105-F Exclusion Area	Active		RL-ER01	RL-ER01
118-F-1, Minor Construction Burial Ground No. 2, Burial Ground No. 1, Solid Waste Burial Ground No. 2	Active		RL-ER01	RL-ER01
118-F-2, Burial Ground No. 2, Solid Waste Burial Ground No. 1	Active		RL-ER01	RL-ER01
118-F-3, Minor Construction Burial Ground No. 1, Burial Ground No. 3	Active		RL-ER01	RL-ER01
118-F-4, 115-F Pit, 115-F Crib	Active		RL-ER01	RL-ER01
118-F-5, PNL Sawdust Pit, PNL Sawdust Respository, Battelle Sawdust Pit	Active		RL-ER01	RL-ER01
118-F-6, PNL Solid Waste Burial Ground	Active		RL-ER01	RL-ER01
118-F-7, 100-F Miscellaneous Hardware Storage Vault, Concrete Box	Active		RL-ER01	RL-ER01
118-F-9, PNL Rad Site	Active		RL-ER01	RL-ER01
120-F-1, Glass Dump	Active		RL-ER01	RL-ER01
126-F-1, 184-F Powerhouse Ash Pit, 188-F Ash Disposal Area	Active		RL-ER01	RL-ER01
128-F-1, 100-F Burning Pit, 100-F Burning Pit No. 1	Active		RL-ER01	RL-ER01
1607-F1, 1607-F1 Septic Tank and Associated Drain Field, 124-F-1, 1607-F1 Sanitary Sewer System, 1607-F1 Septic Tank	Active		RL-ER01	RL-ER01
600-31, 100-F Area Bottle Disposal Site	Rejected			RL-ER01
100-H-10, French Drain D	Active		RL-ER01	RL-ER01
100-H-11, Expansion Box French Drain E	Active		RL-ER01	RL-ER01
100-H-12, Expansion Box French Drain F and Shielding Lead	Active		RL-ER01	RL-ER01
100-H-13, French Drain G	Active		RL-ER01	RL-ER01
100-H-14, Surface Contamination Zone H	Active		RL-ER01	RL-ER01
100-H-17, 116-H-2 Trench Overflow	Active		RL-ER01	RL-ER01
100-H-21, 100-H Reactor Cooling Water Effluent Underground Pipelines	Active		RL-ER01	RL-ER01
100-H-22, Soil Contaminated by Effluent Line Leakage	Active		RL-ER01	RL-ER01
100-H-24, 151-H Electrical Facilities, 151-H Substation	Active	RL-TP13	RL-ER01	RL-ER01

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
100-H-3, 1716-H Garage Fuel Tank Site	Active		RL-ER01	RL-ER01
100-H-30, 110-H Sanitary Sewer Trench	Active		RL-ER01	RL-ER01
100-H-31, Polychlorinated Biphenyl in Soil On North Side of 105-H Reactor Building	Active		RL-ER01	RL-ER01
100-H-4, 1717-H Hot Shop, French Drain, and, Contaminated Storage Unit	Active		RL-ER01	RL-ER01
100-H-5, 107-H Retention Basin Sludge Burial Site, 107-H Buried Sludge Site, 107-H Grave	Active		RL-ER01	RL-ER01
100-H-7, French Drain A	Active		RL-ER01	RL-ER01
100-H-8, French Drain B	Active		RL-ER01	RL-ER01
100-H-9, French Drain C	Active		RL-ER01	RL-ER01
116-H-1, 107-H Liquid Waste Disposal Trench	Active		RL-ER01	RL-ER01
116-H-2, 1608-H Liquid Waste Disposal Trench, 1608-H Crib & Trench	Active		RL-ER01	RL-ER01
116-H-3, 105-H Dummy Decontamination French Drain, Perf Decontamination Drain	Active		RL-ER01	RL-ER01
116-H-4, 105-H Pluto Crib	Active		RL-ER01	RL-ER01
116-H-5, 116-H-5 Outfall Structure, 1904-H Outfall Structure, 116-H-5 Outfall Structure and Riverlines	Active		RL-ER01	RL-ER01
116-H-7, 107-H Retention Basin, 107-H	Active		RL-ER01	RL-ER01
116-H-9, 117-H Crib, 117-H Seal Pit Crib	Active		RL-ER01	RL-ER01
118-H-6, 105-H Reactor Building	Active		RL-ER01	RL-ER01
126-H-2, 183-H Clearwells/Disposal Pit	Active		RL-ER01	RL-ER01
126-K-1, 100K Gravel Pit	Active		RL-ER01	RL-ER01
132-H-1, 116-H Reactor Exhaust Stack Burial Site	Active		RL-ER01	RL-ER01
132-H-3, 1608-H Waste Water Pumping Station Site, 116-H-8, 1608-H Effluent Pumping Station Site	Active		RL-ER01	RL-ER01
1607-H2, 1607-H2 Septic Tank and Associated Drain Field, 1607-H2 Sanitary Sewer System, 124-H-2, 1607-H2 Septic Tank	Active		RL-ER01	RL-ER01
1607-H3, 1607-H3 Septic Tank and Associated Drain Field, 124-H-3, 1607-H3 Sanitary Sewer System, 1607-H3 Septic Tank	Active		RL-ER01	RL-ER01
1607-H4, 1607-H4 Septic Tank and Associated Drain Field, 1607-H4 Sanitary Sewer System, 124-H-4, 1607-H4 Septic Tank	Active		RL-ER01	RL-ER01
100-H-1, 105-H Rod Cave	Active		RL-ER01	RL-ER01
100-H-15, Possible Septic Tank & Tile Field, 100-H-25	Rejected			RL-ER01
100-H-16, 184-H Salt Dissolving Pit and Brine Pump House, H Area Power House Brine Pit, 184-H Brine Pit	Rejected			RL-ER01
100-H-2, Buried Thimble Site	Active		RL-ER01	RL-ER01
100-H-32, 184-H Brine Pit French Drain	Active		RL-ER01	RL-ER01
118-H-1, 100-H Burial Ground No. 1, 100-H-1	Active		RL-ER01	RL-ER01
118-H-2, H-1 Loop Burial Ground, 100-H Burial Ground No. 2	Active		RL-ER01	RL-ER01
118-H-3, Construction Burial Ground	Active		RL-ER01	RL-ER01
118-H-4, Ball 3X Burial Ground	Active		RL-ER01	RL-ER01
118-H-5, 105-H Thimble Pit	Active		RL-ER01	RL-ER01
128-H-1, 100-H Burning Pit, 100-H Burning Pit No. 1	Active		RL-ER01	RL-ER01
128-H-2, 100-H Burning Ground #2	Active		RL-ER01	RL-ER01
128-H-3, 100-H Burning Ground #3	Active		RL-ER01	RL-ER01
132-H-2, 117-H Filter Building Site	Active		RL-ER01	RL-ER01
1607-H1, 1607-H1 Septic Tank and Associated Drain Field, 124-H-1, 1607-H1 Sanitary Sewer System, 1607-H1 Septic Tank	Active		RL-ER01	RL-ER01
600-151, Dumping Areas 50 yds and 200 yds Downstream of River Mile 14, Military installation NW of 100H Area	Active	RL-TP13	RL-ER01	RL-ER01
600-152, Military Septic Tanks	Active	RL-TP13	RL-ER01	RL-ER01
600-101, RRCWP, Riverland Railroad Car Wash Pit	Deleted from NPL	RL-TP13	RL-ER01	
600-102, 600 AMBS, 600 Area Army Munitions Burial Site	Deleted from NPL	RL-TP13	RL-ER01	
600-142, Car Body at McGee Ranch Fish Farm	Rejected	RL-TP13	RL-ER01	RL-ER01
600-41, H 70 Anti-Aircraft Artillery (AAA) Site	Deleted from NPL		RL-ER01	
600-42, H 71 Anti-Aircraft Artillery (AAA) Site	Deleted from NPL		RL-ER01	
600-43, McGee Fish Farm	Deleted from NPL		RL-ER01	
600-44, Herbicide/Pesticide Empty Container Pile, Enyert Well Empty Pesticide Container Dump, 600-68	Deleted from NPL		RL-ER01	

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
600-45, Transite and Metal Debris Pile	Deleted from NPL		RL-ER01	
600-100, White Bluffs Landfill, White Bluffs City Landfill, WBL, White Bluffs City Dump, 600-119	Active		RL-ER01	RL-ER01
600-120, White Bluffs Spare Parts Burn Pit, Spare Parts Burn Pit	Active		RL-ER01	RL-ER01
600-121, White Bluffs Coal Ash Piles, Coal Ash Piles	Rejected			RL-ER01
600-122, White Bluffs Large Fenced Depression	Rejected			RL-ER01
600-123, White Bluffs Farm Site, Farm Site	Rejected			RL-ER01
600-124, White Bluffs Burn Site and Paint Disposal Area, Burn Site and Paint Disposal Area	Active		RL-ER01	RL-ER01
600-125, White Bluffs Waste Disposal Trench 1, Waste Disposal Trenches	Active		RL-ER01	RL-ER01
600-126, White Bluffs Small Subsidence, Small Subsidence	Rejected			RL-ER01
600-127, White Bluffs Loading Docks and Fuel Storage Area, Fuel Storage Area	Active		RL-ER01	RL-ER01
600-128, White Bluffs Oil and Oil Filter Dump Site, Oil and Oil Filter Dump Site	Active		RL-ER01	RL-ER01
600-129, White Bluffs Pre-MED Community Dump Site 1, Pre-MED White Bluffs Community Dump Site (Oil Can Site)	Active		RL-ER01	RL-ER01
600-130, American Pipe Company Facilities, Stephensen's Cement Pipe Factory	Rejected			RL-ER01
600-131, White Bluffs Water Station and Special Fabrication Shops and Warehouse, Special Fabrication Shop and Warehouse	Active		RL-ER01	RL-ER01
600-132, White Bluffs Construction Contractor Shop Landfill, Construction Contracter Shop Landfill	Active		RL-ER01	RL-ER01
600-135, White Bluffs Spare Parts Machine Shop Landfill and Pit, Spare Parts Machine Shop Landfill, Horseshoe Pit	Rejected			RL-ER01
600-136, White Bluffs Insulation Warehouses, Insulation Warehouses	Rejected			RL-ER01
600-138, White Bluffs Fumigation Building, Fumigation Chamber Building	Rejected			RL-ER01
600-139, White Bluffs Automotive Repair Shop and Associated Waste Sites, Automotive Repair Shop	Active		RL-ER01	RL-ER01
600-157, White Bluffs Concrete Foundation Pads	Rejected			RL-ER01
600-158, White Bluffs Ground Storage Tank and Booster Pump Station	Rejected			RL-ER01
600-159, White Bluffs Bank Well	Rejected			RL-ER01
600-160, White Bluffs Irrigation Debris	Rejected			RL-ER01
600-161, White Bluffs Plumbing Debris	Rejected			RL-ER01
600-162, White Bluffs Pipe Debris and Bucket of Lead	Rejected			RL-ER01
600-163, White Bluffs Pipe Testing Shop	Rejected			RL-ER01
600-164, White Bluffs Earth Berm and Trench	Rejected			RL-ER01
600-165, White Bluffs Valve Box	Rejected			RL-ER01
600-166, White Bluffs Subsidence	Rejected			RL-ER01
600-167, White Bluffs Cistern	Rejected			RL-ER01
600-170, White Bluffs Subsurface Concrete Structure	Rejected			RL-ER01
600-171, White Bluffs Townsite	Rejected			RL-ER01
600-172, White Bluffs French Drain or Dry Well	Rejected			RL-ER01
600-173, White Bluffs Domestic Debris Dump and Building Foundations	Rejected			RL-ER01
600-174, White Bluffs French Drain	Rejected			RL-ER01
600-175, Original Priest Rapids Ice House Drain Field	Rejected			RL-ER01
600-176, White Bluffs Paint Disposal Area	Active		RL-ER01	RL-ER01
600-177, White Bluffs Pipe Bender and Equipment Dumping Area	Rejected			RL-ER01
600-179, Priest Rapids Ice House	Rejected			RL-ER01
600-180, White Bluffs Suspect Automotive Repair Shop	Rejected			RL-ER01
600-181, White Bluffs Oil Dump	Active		RL-ER01	RL-ER01
600-182, White Bluffs Asbestos Pipe Lagging and Excess Piping	Active		RL-ER01	RL-ER01
600-183, White Bluffs Burn Pile and Debris	Rejected			RL-ER01
600-184, White Bluffs Townsite Septic System	Rejected			RL-ER01
600-188, White Bluffs Waste Disposal Trench 2	Active		RL-ER01	RL-ER01
600-189, White Bluffs Warehouse Facility French Drains, 100-H-23	Rejected			RL-ER01
600-190, White Bluffs Warehouse Tar and/or Paint Disposal Area	Active		RL-ER01	RL-ER01
600-191, White Bluffs Pre-MED Community Dump Site 2	Active		RL-ER01	RL-ER01
600-193, White Bluffs Gas Station	Rejected			RL-ER01
600-194, White Bluffs Main Pipe Fabrication Shop, Main Pipe Fabrication and Blacksmith Shop	Rejected			RL-ER01
600-195, White Bluffs Townsite Electrical Substation	Rejected			RL-ER01
600-196, White Bluffs Farm Dump Site and Partially Backfilled Pit	Rejected			RL-ER01
600-198, White Bluffs River Bank Concrete Structure, RCRA General Inspection LORIVFY96 Item #2	Rejected			RL-ER01

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
600-199, White Bluffs Ash Covered Concrete Pad	Rejected			RL-ER01
600-200, Priest Rapids Ice House Septic Tank	Rejected			RL-ER01
600-201, White Bluffs Paint and Solid Waste Disposal Site	Active		RL-ER01	RL-ER01
600-203, White Bluffs French Drains	Rejected			RL-ER01
600-209, White Bluffs Excess Railroad Tie Materials	Rejected			RL-ER01
600-5, White Bluffs Waste Oil Dump, Asphalt Heliport	Active		RL-ER01	RL-ER01
600-52, White Bluffs Surface Basin	Active		RL-ER01	RL-ER01
600-99, JA Jones 2, J. A. Jones #2, JA JONES2	Active		RL-ER01	RL-ER01
628-1, White Bluffs Burn Pit	Active		RL-ER01	RL-ER01
600-10, MIL - H-12C, "Battery B" Nike Missile Control Center	Deleted from NPL	RL-TP13	RL-ER01	
600-104, USBR, USBR 2,4-D Burial Site, USBR-2.4-D	Deleted from NPL	RL-TP13	RL-ER01	
600-11, MIL - H-81R	Deleted from NPL	RL-TP13	RL-ER01	
600-12, MIL - H-83C, Battery "C" Control Center	Deleted from NPL	RL-TP13	RL-ER01	
600-13, MIL - H-83L, Battery "C" Launch Site	Deleted from NPL	RL-TP13	RL-ER01	
600-14, MIL - PSN 01	Deleted from NPL	RL-TP13	RL-ER01	
600-15, MIL - PSN 04	Deleted from NPL	RL-TP13	RL-ER01	
600-16, MIL - PSN 07/10, PSN 10, H-07-H, Base Camp 500	Deleted from NPL	RL-TP13	RL-ER01	
600-17, MIL - PSN 12/14 Site and Military Dump, Tent Camp 505, PSN 12, H-14	Deleted from NPL	RL-TP13	RL-ER01	
600-18, MIL - PSN 72/82, PSN 72, H-82, Tent Camp 515	Deleted from NPL	RL-TP13	RL-ER01	
600-19, MIL - PSN 90, H-90, Base Camp 410	Deleted from NPL	RL-TP13	RL-ER01	
600-6, MIL - H-12-L, "Battery B" Nike Missile Launch Site	Deleted from NPL	RL-TP13	RL-ER01	
600-7, Nike Asbestos Pipe Site, Concrete/Asbestos Pipe Site	Deleted from NPL	RL-TP13	RL-ER01	
600-72, Wahluke Slope H-12-R Debris Site, H-12R	Deleted from NPL	RL-TP13	RL-ER01	
600-73, Wahluke Slope Igloo Sites	Deleted from NPL	RL-TP13	RL-ER01	
600-74, Wahluke Slope PSN 12/14 Military Construction Dump, Motor Pool Dump	Deleted from NPL	RL-TP13	RL-ER01	
600-75, Wahluke Slope PSN 80 Debris Site	Deleted from NPL	RL-TP13	RL-ER01	
600-76, Wahluke Slope "Radar" Site, Underground Rooms	Deleted from NPL	RL-TP13	RL-ER01	
600-77, Wahluke Slope Shrapnel Sites, Antiaircraft Gun Shrapnel Sites 1, 2, 3	Deleted from NPL	RL-TP13	RL-ER01	
600-78, Power Pole 12-3 Cistern, 12-3 Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-79, Wahluke Slope Clay Pit Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-8, MIL - H-06C, Control Center for "Battery A" Nike Missile, Wahluke Slope Nike Missile Base, WSNMB, 600-103 (Part)	Deleted from NPL	RL-TP13	RL-ER01	
600-80, Wahluke Slope Cow Camp Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-81, Wahluke Slope Homestead Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-82, Wahluke Slope Overlook Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-83, Wahluke Slope Stock Tank Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-84, Wahluke Slope Wagon Road Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-85, Wahluke Slope Stove Cistern	Deleted from NPL	RL-TP13	RL-ER01	

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
600-86, Wahluke Slope Wasteway Cistern	Deleted from NPL	RL-TP13	RL-ER01	
600-87, Wahluke Slope Dune Homestead	Deleted from NPL	RL-TP13	RL-ER01	
600-88, Wahluke Slope Lonetree Homestead	Deleted from NPL	RL-TP13	RL-ER01	
600-89, Wahluke Slope Asphalt Batch Plant	Deleted from NPL	RL-TP13	RL-ER01	
600-90, Wahluke Slope Coyote Bait Can/Bait Station	Deleted from NPL	RL-TP13	RL-ER01	
600-91, Wahluke Slope Gravel Pit #47	Deleted from NPL	RL-TP13	RL-ER01	
600-92, Wahluke Slope Gravel Pit #56, Borrow Pit #56	Deleted from NPL	RL-TP13	RL-ER01	
600-93, Hanford Firing Range	Deleted from NPL	RL-TP13	RL-ER01	
600-94, Wahluke Schoolhouse	Deleted from NPL	RL-TP13	RL-ER01	
600-95, Wahluke Slope Bridge Disposal Area, Bridge Overlook Site	Deleted from NPL	RL-TP13	RL-ER01	
100-IU-6	Active		RL-ER01	RL-ER01
600-108, 213-J&K Vaults, 213-J&K Storage Facility (SF), 213-J & K Magazine Waste Storage Cavern, 213-J & K Storage Facility	Active		RL-ER01	RL-ER01
600-109, HTCL, Hanford Trailer Camp Landfill	Active		RL-ER01	RL-ER01
600-110, HTL, Hanford Townsite Landfill	Active		RL-ER01	RL-ER01
600-111, P-11 Critical Mass Laboratory Crib, 116-F-6	Active		RL-ER01	RL-ER01
600-149, Small Arms Range, Rifle and Pistol Range, 661 Complex, 600-54	Active		RL-ER01	RL-ER01
600-168, Buckholdt RanchToilet Pits, Herriford Ranch Toilet Pits	Rejected			RL-ER01
600-169, Hanford Construction Camp Trenches	Rejected			RL-ER01
600-178, 213-J and 213-K Guard House Toilet Pit	Active		RL-ER01	RL-ER01
600-185, Hanford Construction Camp Honey Dump Site	Rejected			RL-ER01
600-186, Hanford Construction Camp Septic Tanks and Sewage Treatment Plants	Active		RL-ER01	RL-ER01
600-192, Hanford Construction Camp Fumigation Chamber	Rejected			RL-ER01
600-20, Tank Cleaning Site, 615 Hot Mix Plant For Road Materials	Rejected			RL-ER01
600-202, Hanford Townsite Four Burn and Burial Pits	Active		RL-ER01	RL-ER01
600-204, Hanford Townsite Burn and Burial Trench	Active		RL-ER01	RL-ER01
600-205, Hanford Townsite Landfill 2	Active		RL-ER01	RL-ER01
600-206, 101 Building Graphite Dump Site	Rejected			RL-ER01
600-207, Hanford Construction Camp Powerhouse Ash Pile	Rejected			RL-ER01
600-208, Hanford Construction Camp Boiler House Ponds	Active		RL-ER01	RL-ER01
600-213, Hanford Airport Underground Fuel Storage Tanks	Active		RL-ER01	RL-ER01
600-24, West P-11, H-21 Anti-Aircraft Artillery Compound and Dump Site	Rejected			RL-ER01
600-26, Hanford Townsite Burn Pile	Rejected			RL-ER01
600-27, Well DC-6, Well 699-50-18C, 6-54-18A, A8855; 6-54-18B, A8856; 6-54-18C, A8857; 6-54-18D, A58858, Water Supply Valve Pits, Foundations and Dumping Area	Rejected			RL-ER01
600-3, Hanford Townsite Excess Material Storage Yard/Paint Pit	Active		RL-ER01	RL-ER01
600-50, Hanford Construction Camp Coal Yard	Rejected			RL-ER01
UPR-600-16, P-11 Fire and Contamination Spread, UN-600-16, UN-616-16	Active		RL-ER01	RL-ER01
UPR-600-18, Tank Truck Gasoline Spill, UN-600-18	Rejected			RL-ER01
UPR-600-19, Lime Sulfur Barrel	Rejected			RL-ER01
100-K-57, 107-KE Drainage Ditch	Active		RL-ER01	RL-ER01
100-K-63, 100-KW Floodplain, 100-K Flood Plain Contamination Area	Active		RL-ER01	RL-ER01
100-K-64, 100-KE Floodplain, 100-KE Flood Plain Contamination Area	Active		RL-ER01	RL-ER01
116-K-1, 100-K Crib, 100-K Pond, 116-K-1 Trench, 107-K Pond, 107-K(E) Sump, 100-K Emergency Pond	Active		RL-ER01	RL-ER01
116-K-2, 100-K Mile Long Trench, K Trench, 116-K-2 Trench, 100-K Emergency Trench, 107-K Effluent Trench, Bypass Crib Ditch	Active		RL-ER01	RL-ER01
116-K-3, 1904-K Outfall Structure, 1908-K Outfall Structure	Active	RL-WM01	RL-ER01	RL-ER01
116-KE-4, 107-KE Retention Basins, 107-KE	Active		RL-ER01	RL-ER01
116-KW-3, 107-KW Retention Basin, 107-KW	Active		RL-ER01	RL-ER01
100-K-1, 119-KW French Drain, 119-KW Exhaust Air Sample Building French Drain, 100-K-45	Active		RL-ER01	RL-ER01
100-K-10, 118-KE-2 French Drain (South), 104-K Dry Well	Rejected			RL-ER01
100-K-11, 118-KW-2 French Drain (North), 104-K Dry Well	Rejected			RL-ER01

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
100-K-12, 118-KW-2 French Drain (South), 104-K Dry Well	Rejected			RL-ER01
100-K-13, French Drain West of the 166-KW Oil Storage Tank Facility	Active		RL-ER01	RL-ER01
100-K-14, 183-KE Acid Neutralization Pit and Overflow French Drain	Active		RL-ER01	RL-ER01
100-K-15, 183-KW Liquid Alum Storage Tank (West)	Rejected(Proposed)			RL-ER01
100-K-16, 183-KW Liquid Alum Storage Tank (East)	Rejected(Proposed)			RL-ER01
100-K-18, 183-KW Caustic Neutralization Pit	Active		RL-ER01	RL-ER01
100-K-19, 183-KW Caustic Soda Storage Tank Site	Active		RL-ER01	RL-ER01
100-K-2, 118-K-2, 118-K-2 Sludge Burial Ground, Burial Area	Active	RL-WM01	RL-ER01	RL-ER01
100-K-20, 183-KW Sodium Silicate Storage Tank (West)	Rejected(Proposed)			RL-ER01
100-K-21, 183-KW Sodium Silicate Storage Tank (East)	Rejected(Proposed)			RL-ER01
100-K-22, 183-KE Sodium Silicate Storage Tank (West)	Rejected(Proposed)			RL-ER01
100-K-23, 183-KE Sodium Silicate Storage Tank (East)	Rejected(Proposed)			RL-ER01
100-K-25, 183-KE Caustic Neutralization Pit	Active		RL-ER01	RL-ER01
100-K-27, 183-KE Caustic Soda Storage Tank Site	Active		RL-ER01	RL-ER01
100-K-29, 183-KE Sandblasting Site	Active	RL-WM01	RL-ER01	RL-ER01
100-K-3, 1706-KE Fish Pond Heat Exchanger Pit and Pump Pit, Water Studies Semi-Works	Active		RL-ER01	RL-ER01
100-K-30, 183-KE Sulfuric Acid Tank (West Tank)	Active		RL-ER01	RL-ER01
100-K-31, 183-KE Sulfuric Acid Tank (East tank)	Active		RL-ER01	RL-ER01
100-K-32, 183-KW Sulfuric Acid Tank (East tank)	Active		RL-ER01	RL-ER01
100-K-33, 183-KW Sulfuric Acid Tank (West tank)	Active		RL-ER01	RL-ER01
100-K-34, 183-KW Acid Neutralization Pit	Active		RL-ER01	RL-ER01
100-K-35, 183-KE Acid Neutralization Pit	Active	RL-WM01	RL-ER01	RL-ER01
100-K-36, 1706-KE Chemical Storage Facility Dry Well	Active	RL-WM01	RL-ER01	RL-ER01
100-K-37, 1706-KE Sulfuric Acid Tank	Active	RL-WM01	RL-ER01	RL-ER01
100-K-38, 1706-KE Caustic Soda Tank	Active	RL-WM01	RL-ER01	RL-ER01
100-K-39, 118-K-3 Filter Crib	Rejected			RL-ER01
100-K-4, 1706-KE Wet Fish Studies Ponds and Valve Pit	Active	RL-WM01	RL-ER01	RL-ER01
100-K-42, 100 Area KE Basin, 105-KE Fuel Storage Basin, K East Basin, Irradiated Fissile Material Storage, Metal Storage Basin, 100-K-40	Rejected(Proposed)			RL-ER01
100-K-46, 119-KE French Drain, Drywell	Active	RL-WM01	RL-ER01	RL-ER01
100-K-47, 1904-K Process Sewer	Active	RL-WM01	RL-ER01	RL-ER01
100-K-48, 100-KE Oil Contamination Areas	Active		RL-ER01	RL-ER01
100-K-49, 100-KW Oil Contamination Area	Active		RL-ER01	RL-ER01
100-K-5, 1705-KE French Drain	Active		RL-ER01	RL-ER01
100-K-50, 1725-K & 1726-K Sanitary Sewer System Holding Tank	Active	RL-WM01	RL-ER01	RL-ER01
100-K-51, 105-KE 90-Day Waste Accumulation Area, 100K 90-Day Waste Storage Facility	Active	RL-WM01	RL-ER01	RL-ER01
100-K-53, 100-KE Glycol Heat Recovery Undergound Pipelines	Active		RL-ER01	RL-ER01
100-K-54, 100-KW Glycol Heat Recovery Underground Pipelines	Active		RL-ER01	RL-ER01
100-K-55, 100-KW Reactor Cooling Water Effluent Underground Pipelines	Active		RL-ER01	RL-ER01
100-K-56, 100-KE Reactor Cooling Water Effluent Underground Pipelines	Active		RL-ER01	RL-ER01
100-K-6, Vacuum Pit, Cyclone Separator, 105-KE Vacuum Pit	Active		RL-ER01	RL-ER01
100-K-60, 1904-K Process Sewer (165-KW)	Active		RL-ER01	RL-ER01
100-K-61, 117-KW Filter Building	Active		RL-ER01	RL-ER01
100-K-62, 117-KE Filter Building	Active		RL-ER01	RL-ER01
100-K-66, 165-KW Power Control Building	Active		RL-ER01	RL-ER01
100-K-67, 165-KE Power Control Building	Active	RL-WM01	RL-ER01	RL-ER01
100-K-72, 105-KW Pump Gallery and Catch Tank, D Sump	Active	RL-WM01	RL-ER01	RL-ER01
100-K-8, 165-KW Ethylene Glycol Tanks, 165-KW-E and 165-KW-W	Rejected			RL-ER01
100-K-9, 118-KE-2 French Drain (North), 104-K Dry Well	Rejected			RL-ER01
116-KE-1, 115-KE Condensate Crib	Active		RL-ER01	RL-ER01
116-KE-2, 1706-KER Waste Crib	Active		RL-ER01	RL-ER01
116-KE-3, 105-KE Storage Basin French Drain, 105-KE Fuel Storage Basin Sub-Basin Drainage Disposal System Crib	Active		RL-ER01	RL-ER01
116-KE-6A, 1706-KE Condensate Collection Tank, 1706-KE Waste Treatment System	Active	RL-WM01	RL-ER01	RL-ER01
116-KE-6B, 1706-KE Evaporation Tank, 1706-KE Waste Treatment System	Active	RL-WM01	RL-ER01	RL-ER01
116-KE-6C, 1706-KE Waste Accumulation Tank, 1706-KE Waste Treatment System	Active	RL-WM01	RL-ER01	RL-ER01

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
116-KE-6D, 1706-KE Ion Exchange Column, 1706-KE Waste Treatment System	Active	RL-WM01	RL-ER01	RL-ER01
116-KW-1, 115-KW Condensate Crib	Active		RL-ER01	RL-ER01
116-KW-2, 105-KW Storage Basin French Drain, 105-KW Basin Reverse Well, 105-KW Fuel Storage Basin Sub-Basin Drainage Disposal System Crib	Active		RL-ER01	RL-ER01
116-KW-4, 150-KW Heat Recovery Station	Active		RL-ER01	RL-ER01
118-K-1, 100-K Burial Ground, 118-K	Active		RL-ER01	RL-ER01
118-KE-1, 105-KE Reactor Building	Active		RL-ER01	RL-ER01
118-KE-2, 105-KE Horizontal Control Rod Storage Cave	Active		RL-ER01	RL-ER01
118-KW-1, 105-KW Reactor Building	Active		RL-ER01	RL-ER01
118-KW-2, 105-KW Horizontal Control Rod Storage Cave	Active		RL-ER01	RL-ER01
120-KE-1, 183-KE Filter Waste Facility Dry Well, 100-KE-1, 183-KE Filter Water Facility, 183-KE Acid Neutralization Pit, 100-K-26	Active		RL-ER01	RL-ER01
120-KE-2, 183-KE Filter Waste Facility French Drain, 100-KE-2, 183 KE Filter Water Facility	Active		RL-ER01	RL-ER01
120-KE-3, 100-KE-3, 183-KE Filter Water Facility Trench	Active		RL-ER01	RL-ER01
120-KE-4, 183-KE1 Sulfuric Acid Storage Tank	Active		RL-ER01	RL-ER01
120-KE-5, 183-KE2 Sulfuric Acid Storage Tank	Rejected(Proposed)			RL-ER01
120-KE-6, 183-KE Sodium Dichromate Tank	Active		RL-ER01	RL-ER01
120-KE-8, 165-KE Brine Pit, 165-KE Brine Mixing Tank	Active	RL-WM01	RL-ER01	RL-ER01
120-KE-9, 183-KE Brine Pit, 183-KE Salt Dissolving Pits and Brine Pump Pit	Active		RL-ER01	RL-ER01
120-KW-1, 183-KW Filter Water Facility Dry Well, 100-KW-1, 183-KW Acid Neutralization Pit, 100-K-17	Active		RL-ER01	RL-ER01
120-KW-2, 183-KW Filter Water Facility French Drain, 100-KW-2	Active		RL-ER01	RL-ER01
120-KW-3, 183-KW1 Sulfuric Acid Storage Tank	Active		RL-ER01	RL-ER01
120-KW-4, 183-KW2 Sulfuric Acid Storage Tank	Active		RL-ER01	RL-ER01
120-KW-5, 183-KW Sodium Dichromate Storage Tank	Active		RL-ER01	RL-ER01
120-KW-6, 165-KW Brine Pit, 165-KW Brine Mixing Tank	Active		RL-ER01	RL-ER01
120-KW-7, 183-KW Brine Pit, 183-KW Salt Dissolving Pits and Brine Pump Pit	Active		RL-ER01	RL-ER01
126-KE-2, 183-KE Liquid Alum Storage Tank #2	Active	RL-WM01	RL-ER01	RL-ER01
126-KE-3, 183-KE Liquid Alum Storage Tank #1	Rejected(Proposed)			RL-ER01
128-K-1, 100-K Burning Pit	Active		RL-ER01	RL-ER01
128-K-2, 100-K Construction Dump	Active		RL-ER01	RL-ER01
130-K-1, 1717-K Gasoline Storage Tank	Rejected			RL-ER01
130-K-2, 1717-K Waste Oil Storage Tank	Rejected(Proposed)			RL-ER01
130-K-3, 182-K Emergency Diesel Oil Storage Tank, 130-K-3A and 130-K-3B	Rejected			RL-ER01
130-KE-1, 105-KE Emergency Diesel Oil Storage Tank, 105-KE Emergency Diesel Fuel Tank	Active		RL-ER01	RL-ER01
130-KE-2, 166-KE Oil Storage Tank	Active		RL-ER01	RL-ER01
130-KW-1, 105-KW Emergency Diesel Oil Storage Tank, 105-KW Emergency Diesel Fuel Tank	Active		RL-ER01	RL-ER01
130-KW-2, 166-KW Oil Storage Tank	Active		RL-ER01	RL-ER01
132-KE-1, 116-KE Reactor Exhaust Stack	Active		RL-ER01	RL-ER01
132-KW-1, 116-KW Reactor Exhaust Stack	Active		RL-ER01	RL-ER01
1607-K1, 1607-K1 Septic Tank and Associated Drain Field, 124-K-1, 1607-K1 Sanitary Sewer System, 1607-K1 Septic Tank	Active	RL-WM01	RL-ER01	RL-ER01
1607-K4, 1607-K4 Septic Tank and Associated Drain Field, 124-K-2, 1607-K4 Sanitary Sewer System, 1607-K4 Septic Tank	Active	RL-WM01	RL-ER01	RL-ER01
1607-K5, 1607-K5 Septic Tank and Associated Drain Field, 124-KE-2, 1607-K5 Sanitary Sewer System, 1607-K5 Septic Tank	Active	RL-WM01	RL-ER01	RL-ER01
1607-K6, 1607-K6 Septic Tank and Associated Drain Field, 124-KW-1, 1607-K6 Sanitary Sewer System, 1607-K6 Septic Tank	Active	RL-WM01	RL-ER01	RL-ER01
600-29, 100-K Construction Lay-down Area, 100-K-41	Active		RL-ER01	RL-ER01
600-4, Howitzer Site	Rejected			RL-ER01
600-55, Paved Area and Collapsed Structure	Rejected			RL-ER01
100-N-1, HGP Settling Pond	Active		RL-ER01	RL-ER01
100-N-11, 120-N-5 Facility Liquid Unplanned Release 3 (11/09/87, cleaned up)	Active		RL-ER01	RL-ER01
100-N-13, Contaminated Soil Solid Waste Site 1	Active		RL-ER01	RL-ER01
100-N-14, Contaminated Soil Solid Waste Site 2	Active		RL-ER01	RL-ER01

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
100-N-16, Burn Pit 1, 128N-FS-3, 128-N-1	Active		RL-ER01	RL-ER01
100-N-17, Burn Pit 2, 128N-FS-1, 128-N-1	Active		RL-ER01	RL-ER01
100-N-18, Hanford Generating Plant Burn Pit, HGP Burn Pit	Active		RL-ER01	RL-ER01
100-N-19, HGP Construction Debris Dump Solid Waste Site	Active		RL-ER01	RL-ER01
100-N-21, Blast Yard Solid Waste Site, 1143-N Blast Yard	Active		RL-ER01	RL-ER01
100-N-22, Sanitary Sewer System (Undocumented), 1705-N Septic Tank and Cesspool	Active		RL-ER01	RL-ER01
100-N-23, Resin Disposal Pit Liquid Waste Site 1	Active		RL-ER01	RL-ER01
100-N-24, Hydrogen Dry Well Liquid Waste Site, Hydrogen Peroxide Drywell	Active		RL-ER01	RL-ER01
100-N-25, French Drain 1 Liquid Waste Site (100N TBR 4.86)	Active		RL-ER01	RL-ER01
100-N-26, French Drain 2 Liquid Waste Site (100N TBR 4.86)	Active		RL-ER01	RL-ER01
100-N-27, 108-N Sump, 108-N Neutralization Pit	Active		RL-ER01	RL-ER01
100-N-28, Resin Disposal Pit Liquid Waste Site 2	Active		RL-ER01	RL-ER01
100-N-29, Unplanned Release on 25-centimeter (10-inch) Blowdown Pipeline #1	Active		RL-ER01	RL-ER01
100-N-3, Maintenance Garage French Drain, Maintenance Garage Waste Water Treatment Unit	Active		RL-ER01	RL-ER01
100-N-30, Unplanned Release on 10 inch Blowdown Pipeline #2	Active		RL-ER01	RL-ER01
100-N-31, Unplanned Release on 30 inch Pipe Line	Active		RL-ER01	RL-ER01
100-N-32, Unplanned Release on 25-centimeter (10-inch) Blowdown Pipeline #3	Active		RL-ER01	RL-ER01
100-N-33, 100-N Military Installation Ash Pit	Active		RL-ER01	RL-ER01
100-N-34	Active		RL-ER01	RL-ER01
100-N-36, 107-N Oil Stained Pad	Active		RL-ER01	RL-ER01
100-N-37, 109-N Asbestos Release	Active		RL-ER01	RL-ER01
100-N-38, Unplanned Release at 1300-N	Active		RL-ER01	RL-ER01
100-N-39, Hanford Substation Dumping Area SWMU #11	Active		RL-ER01	RL-ER01
100-N-4, HGP Tile Field	Active		RL-ER01	RL-ER01
100-N-40, Unplanned Release at 108-N	Active		RL-ER01	RL-ER01
100-N-41, 1701-NE Septic Tank	Active		RL-ER01	RL-ER01
100-N-45, 1703-N Septic Tank	Active		RL-ER01	RL-ER01
100-N-46, HGP Diesel Oil Storage Tank	Active		RL-ER01	RL-ER01
100-N-47, Military Artillery Site Solid Waste Site	Active		RL-ER01	RL-ER01
100-N-5, HGP Disposal and Storage Area, HGP Bone Yard	Active		RL-ER01	RL-ER01
100-N-50, HGP Turbine Oil filter Unit, Turbine oil cleaning system	Active		RL-ER01	RL-ER01
100-N-51, HGP Building Oil Storage Area	Active		RL-ER01	RL-ER01
100-N-52, HGP Gasoline Storage Tank	Active		RL-ER01	RL-ER01
100-N-53, 181-N Building Waste Oil Tank	Active		RL-ER01	RL-ER01
100-N-54, 151-N Building Drywell	Active		RL-ER01	RL-ER01
100-N-55, 153-N Building Drywell	Active		RL-ER01	RL-ER01
100-N-56, 181-N Building Drywell	Active		RL-ER01	RL-ER01
100-N-57, 1304-N Emergency Dump Tank	Active		RL-ER01	RL-ER01
100-N-58, South Pond, South Settling Pond, 1324-N South Settling Pond	Active		RL-ER01	RL-ER01
100-N-6, 128-N-1, 128N-FS-2	Active		RL-ER01	RL-ER01
100-N-61, 100-N Water Treatment and Storage Facilities Underground Pipelines	Active		RL-ER01	RL-ER01
100-N-62, 100-N 105-N, 109-N, 163-N, 182-N, 183-N and 184-N Underground Pipelines	Active		RL-ER01	RL-ER01
100-N-63, 100-N Reactor 1314-N, 116-N-1, 116-N-3 Underground Pipelines	Active		RL-ER01	RL-ER01
100-N-64, 100-N Reactor 105/109-N Cooling Water Effluent Underground Pipelines	Active		RL-ER01	RL-ER01
100-N-65, UPR-100-N-17 Interceptor Trench, Diesel Oil Interceptor Trench	Active		RL-ER01	RL-ER01
100-N-66, 105-N/109-N Reactor Building Complex	Active		RL-ER01	RL-ER01
100-N-67, HGP Dumping Area	Active		RL-ER01	RL-ER01
100-N-68, N Basin Low Level Radioactive Water Spill	Active		RL-ER01	RL-ER01
100-N-8, 108-N Facility, 108-N CUF	Active		RL-ER01	RL-ER01
100-N-9, 120-N-5 Facility Liquid Unplanned Release 1 (08/07/87)	Active		RL-ER01	RL-ER01
116-N-1, 1301-N Liquid Waste Disposal Facility, 1301-N Crib and Trench	Active		RL-ER01	RL-ER01
116-N-2, 1310-N Chemical Waste Storage Tank, The Golf Ball, 1310-N Waste Storage Area	Active		RL-ER01	RL-ER01
116-N-3, 1325-N Liquid Waste Disposal Facility, 1325-N Crib and Trench	Active		RL-ER01	RL-ER01
116-N-4, 1300-N Emergency Dump Basin	Active		RL-ER01	RL-ER01
116-N-8, 163-N Mixed Waste and Hazardous Waste Container Storage Pad, 1330-N, 116-N-8 Storage Pad	Active		RL-ER01	RL-ER01

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
118-N-1, 100-N Area Silos, 100-N Area Spacer Silos, 118-N, 1303-N Spacer Silos, 1303-N Radioactive Dummy Burial Facility	Active		RL-ER01	RL-ER01
120-N-1, 1324-NA Percolation Pond	Active		RL-ER01	RL-ER01
120-N-2, 1324-N Surface Impoundment	Active		RL-ER01	RL-ER01
120-N-3, 163-N Neutralization Pit and French Drain	Active		RL-ER01	RL-ER01
120-N-4, 1310-N Hazardous Waste Storage Area, 1310-N Waste Oil Storage Pad, 1310-N Non-Hazardous Waste Pad	Active		RL-ER01	RL-ER01
120-N-5, 108-N/163-N Transfer Line And Neutralization Pit	Active		RL-ER01	RL-ER01
120-N-6, 108-N Acid Tank Vent French Drains	Active		RL-ER01	RL-ER01
120-N-7, 100-N Acid Unloading Facility French Drain	Active		RL-ER01	RL-ER01
120-N-8, 163-N Sulfuric Acid Tank Vent French Drain	Active		RL-ER01	RL-ER01
124-N-1, 124-N-1 Septic Tank, 100-N Sanitary Sewer System No. 1	Active		RL-ER01	RL-ER01
124-N-10, 124-N-10 Sanitary Sewer System, 100-N Central Sewer System No. 10, Project H-677	Active	RL-TP13	RL-ER01	RL-ER01
124-N-2, 124-N-2 Septic Tank, 100-N Sanitary Sewer System No. 2	Active		RL-ER01	RL-ER01
124-N-3, 124-N-3 Septic Tank, 100-N Sanitary Sewer System No. 3	Active		RL-ER01	RL-ER01
124-N-4, 100-N Sanitary Sewer System No. 4, 124-N-4 Septic Tank	Active		RL-ER01	RL-ER01
124-N-5, 100-N Sanitary Sewer System No. 5, 124-N-5 Septic Tank	Active		RL-ER01	RL-ER01
124-N-6, 100-N Sanitary Sewer System No. 6, 124-N-6 Septic Tank	Active		RL-ER01	RL-ER01
124-N-7, 100-N Sanitary Sewer System No. 7, 124-N-7 Septic Tank	Active		RL-ER01	RL-ER01
124-N-8, 100-N Sanitary Sewer System No. 8, 124-N-8 Septic Tank	Active		RL-ER01	RL-ER01
124-N-9, 124-N-9 Septic Tank, 100-N Sanitary Sewer System No. 9	Active		RL-ER01	RL-ER01
128-N-1, 100-N Burning Pit, 128-N-1 Burning Pit	Active		RL-ER01	RL-ER01
130-N-1, 183-N Backwash Discharge Pond, 126-N-1, 183-N Filter Backwash Pond,	Active		RL-ER01	RL-ER01
1908-NE, HGP Outfall, 1908-NE Building	Active		RL-ER01	RL-ER01
600-32, N Area Landfill	Active	RL-TP13	RL-ER01	RL-ER01
600-35	Active		RL-ER01	RL-ER01
UPR-100-N-1, 100-N 1304-N Dump Tank, UN-100-N-1, Emergency Dump Tank Inlet Valve Box Leak	Active		RL-ER01	RL-ER01
UPR-100-N-10, 100-N Area 105-N Check Valve, UN-100-N-10, Lift Station Gravity Drain Line Leak	Active		RL-ER01	RL-ER01
UPR-100-N-11, Five Hundred Pound Valve Bonnet Contamination in Uncontrolled Area, 100-N Area Valve Bonnet, UN-100-N-11	Active		RL-ER01	RL-ER01
UPR-100-N-12, Spacer Transport Line Leak, UN-100-N-12	Active		RL-ER01	RL-ER01
UPR-100-N-13, 1314-N Loading Station, 1314-N Drywell Overflow, UN-100-N-13	Active		RL-ER01	RL-ER01
UPR-100-N-14, 119-N Drain System Leak, UN-100-N-14	Active		RL-ER01	RL-ER01
UPR-100-N-15, 108-N Neutralization Sump Spill, UN-116-N-15, UN-100-N-15	Active		RL-ER01	RL-ER01
UPR-100-N-17, 166-N Diesel Oil Supply Line Leak, UN-100-N-17	Active		RL-ER01	RL-ER01
UPR-100-N-18, 166-N Four-inch Diesel Oil Supply Line to 184-N Leak, UN-100-N-18	Active		RL-ER01	RL-ER01
UPR-100-N-19, 184-N Day Tank Fuel Oil Spill, UN-116-N-19, UN-100-N-19	Active		RL-ER01	RL-ER01
UPR-100-N-2, 100-N FLV-858 Valve Leak, UN-100-N-2	Active		RL-ER01	RL-ER01
UPR-100-N-20, 166-N Two-inch Diesel Oil Return Line Leak, UN-116-N-20, UN-100-N-20	Active		RL-ER01	RL-ER01
UPR-100-N-21, 184-N Diesel Oil Day Tank Overflow, UN-116-N-21, UN-100-N-21	Active		RL-ER01	RL-ER01
UPR-100-N-22, 184-N Diesel Oil Supply Line Leak No. 1, UN-100-N-22, UN-116-N-22	Active		RL-ER01	RL-ER01
UPR-100-N-23, 184-N Diesel Oil Supply Line Leak No. 2, UN-100-N-23, UN-116-N-23	Active		RL-ER01	RL-ER01
UPR-100-N-24, 166-N Fuel Oil Supply Line Leak, UN-116-N-24, UN-100-N-24	Active		RL-ER01	RL-ER01
UPR-100-N-25, Uncontrolled Venting of 1310-N Tank, UN-100-N-25	Active		RL-ER01	RL-ER01
UPR-100-N-26, Backflow of Radioactive Waste in 1314-N Facility, UN-100-N-26	Active		RL-ER01	RL-ER01
UPR-100-N-29, 1304-N Dump Tank, Emergency Dump Tank Bypass Line Leak, UN-100-N-29	Active		RL-ER01	RL-ER01
UPR-100-N-3, Dummy Fuel Transfer Line, UN-100-N-3, Spacer Disposal System Transport Line Leak, UN-116-N-3	Active		RL-ER01	RL-ER01
UPR-100-N-30, 1304-N Dump Tank, Emergency Dump Tank Overflow, UN-100-N-30	Active		RL-ER01	RL-ER01
UPR-100-N-31, Radioactive Effluent Water Spill Near 1301-N, UN-100-N-31	Active		RL-ER01	RL-ER01

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-100-N-32, 1304-N Dump Tank, Emergency Dump Tank Bypass Line Leak, UN-100-N-32	Active		RL-ER01	RL-ER01
UPR-100-N-33, 108-N Acid Transfer Spill, UN-116-N-33, UN-100-N-33	Active		RL-ER01	RL-ER01
UPR-100-N-34, 108-N Tank Transfer, Sulfuric Acid Line Break, UN-100-N-34	Active		RL-ER01	RL-ER01
UPR-100-N-35, 100-N Fuel Basin Drainage System Leak, UN-116-N-35, 105-N Fuel Storage Basin Drainage System Leak, UN-100-N-35	Active		RL-ER01	RL-ER01
UPR-100-N-36, 184N Annex, 184N, Diesel Generator Area	Active		RL-ER01	RL-ER01
UPR-100-N-37, HGP Transformer Yard	Active		RL-ER01	RL-ER01
UPR-100-N-38, 116-N-2 Facility Liquid Unplanned Release, 100-N Spring 1983 Caustic, Truck Spill 116-N-2	Active		RL-ER01	RL-ER01
UPR-100-N-39, Corridor 22 Suspect Liquid Unplanned Release (cleaned up)	Active		RL-ER01	RL-ER01
UPR-100-N-4, 1322-A Sump Overflow, UN-100-N-4	Active		RL-ER01	RL-ER01
UPR-100-N-42, 84-N Day Tank Area Liquid Unplanned Release, 10/9/87 184-N, Day Tank Diesel Oil Spill	Active		RL-ER01	RL-ER01
UPR-100-N-43, 166-N / 184-N Pipelines Liquid Unplanned Release 2 (4/26/89, cleaned up)	Active		RL-ER01	RL-ER01
UPR-100-N-5, 1310-N Chemical Waste Storage Tank Leak, UN-100-N-5, 116-N-2 Radioactive Chemical Waste Treatment Storage Facility	Active		RL-ER01	RL-ER01
UPR-100-N-6, 1 1/2 Inch Chemical Decontam. Waste Drain Line Leaks, UN-100-N-6, UN-116-N-6, Chemical Decontamination Waste Drain Line Leak	Active		RL-ER01	RL-ER01
UPR-100-N-7, Ten-inch Radioactive Drain Return Line Leak, UN-116-N-7, UN-100-N-7	Active		RL-ER01	RL-ER01
UPR-100-N-8, 1322-A Sump Overflow, UN-100-N-8	Active		RL-ER01	RL-ER01
UPR-100-N-9, 119-N Cooling Water Drain Line Leak, UN-100-N-9	Active		RL-ER01	RL-ER01
UPR-600-17, 600 Area Patrol Boat Spill, UN-600-17	Active		RL-ER01	RL-ER01
CP Soil Site Operable Units	Active		RL-ER02 RL-ER05	RL-ER02 RL-ER07
200 ETF, 200 Area Effluent Treatment Facility (ETF), 2025-E	Active	RL-WM05	RL-ER02	RL-ER02
200-E-17, 200 Area Liquid Effluent Retention Facility (LERF)	Active	RL-WM05	RL-ER02	RL-ER02
600-156, Construction Debris Dump Site	Active	RL-TP13	RL-ER02	RL-ER02
600-214, 600 Area Purgewater Storage and Treatment Facility, MODU-Tanks	Active		RL-ER02	RL-ER02
200-E-45, HI Shaft, Health Instrument Shaft, Contaminated Pump Run-in Caisson	Active		RL-ER02	RL-ER02
200-E-16, B Plant Waste Concentrator, Low Level Waste Concentrator, Single-Stage Thermal Siphon Reboiler	Active	RL-TP01	RL-ER02	RL-ER02
200-E-28, 221-B Building Steam Condensate Release	Active	RL-TP01	RL-ER02	RL-ER02
200-E-29, Unplanned Release From 241-ER-152 Diversion Box	Active		RL-TW03	RL-ER02
200-E-30, 291-B Sand Filter, 221-B Stack Sand Filter	Active	RL-TP01	RL-ER02	RL-ER02
200-E-55, Effluent Drain East of 291-B Sand Filter, Miscellaneous Stream #322	Active		RL-ER02	RL-ER02
217-B NU, 217-B Neutralization Unit, Elementary Neutralization Unit/217-B Building	Active	RL-TP01	RL-ER02	RL-ER02
221-B NANU, 221-B Nitric Acid Neutralization Unit, 221-B Elemenary Neutralization Unit for Nitric Acid	Active	RL-TP01	RL-ER02	RL-ER02
221-B SDT, 221-B Settle and Decant Tank, B Plant Settle and Decant Tank, 221-B-8-1 and 221-B-8-2, 221-B-TK-8-1 and 221-B-TK-8-2	Active	RL-TP01	RL-ER02	RL-ER02
221-B SHNU, 221-B Sodium Hydroxide Neutralization Unit, 221-B Elementary Neutralization Unit for Sodium Hydroxide	Active	RL-TP01	RL-ER02	RL-ER02
221-B-26-1, 221-B-TK-26-1, B Plant Radioactive Organic Waste Solvent Tank 1	Active	RL-TP01	RL-ER02	RL-ER02
221-B-27-2, 221-B-TK-27-2, 221-B Tank 27-2	Active	RL-TP01	RL-ER02	RL-ER02
221-B-27-3, 221-B-TK-27-3, B Plant Radioactive Organic Waste Solvent Tank 2	Active	RL-TP01	RL-ER02	RL-ER02
221-B-27-4, 221-B-TK-27-4, B Plant Radioactive Organic Waste Solvent Tank 3	Active	RL-TP01	RL-ER02	RL-ER02
221-B-28-3, 221-B-TK-28-3, B Plant Radioactive Organic Waste Solvent Tank 4	Active	RL-TP01	RL-ER02	RL-ER02
221-B-28-4, 221-B-TK-28-4, B Plant Radioactive Organic Waste Solvent Tank 5	Active	RL-TP01	RL-ER02	RL-ER02
221-B-29-4, 221-B-TK-29-4, B Plant Radioactive Organic Waste Storage Tank #7, 221-B TK-29-4	Active	RL-TP01	RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
221-B-30-3, 221-B-TK-30-3, B Plant Radioactive Organic Waste Solvent Tank #6, 221-B TK-30-3	Active	RL-TP01	RL-ER02	RL-ER02
221-B-WS-1, B Plant Storage	Active	RL-TP01	RL-ER02	RL-ER02
221-B-WS-2, B Plant Waste Piles	Active	RL-TP01	RL-ER02	RL-ER02
224-B, 224-B Concentration Facility	Active			RL-ER02
226-B HWSA, 226-B Hazardous Waste Storage Area	Active	RL-TP01	RL-ER02	RL-ER02
B PLANT FILTER, B Plant Filter, 221-B-TK-34-2 Decant Filter, Filter F-34-4	Active	RL-TP01	RL-ER02	RL-ER02
241-B-101, 241-B-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-B-102, 241-B-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-B-103, 241-B-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-B-104, 241-B-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-B-105, 241-B-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-B-106, 241-B-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-B-107, 241-B-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-B-108, 241-B-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-B-109, 241-B-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-B-110, 241-B-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-B-111, 241-B-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-B-112, 241-B-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-B-151, 241-B-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-B-152, 241-B-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-B-153, 241-B-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-B-201, 241-B-TK-201	Active	RL-TW03	RL-TW03	RL-TW03
241-B-202, 241-B-TK-202	Active	RL-TW03	RL-TW03	RL-TW04
241-B-203, 241-B-TK-203	Active	RL-TW03	RL-TW03	RL-TW04
241-B-204, 241-B-TK-204	Active	RL-TW03	RL-TW03	RL-TW04
241-B-252, 241-B-252 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-B-301, 241-B-301-B Catch Tank, 241-B-301B	Active		RL-TW03	RL-TW04
241-BR-152, 241-BR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-101, 241-BX-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-102, 241-BX-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-103, 241-BX-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-104, 241-BX-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-105, 241-BX-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-106, 241-BX-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-107, 241-BX-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-108, 241-BX-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-109, 241-BX-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-110, 241-BX-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-111, 241-BX-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-112, 241-BX-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-153, 241-BX-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BX-302A, 241-BX-302-A Catch Tank	Active		RL-TW03	RL-TW03
241-BXR-151, 241-BXR-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BXR-152, 241-BXR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BXR-153, 241-BXR-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-101, 241-BY-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-102, 241-BY-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-103, 241-BY-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-104, 241-BY-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-105, 241-BY-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-106, 241-BY-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-107, 241-BY-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-108, 241-BY-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-109, 241-BY-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-110, 241-BY-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-111, 241-BY-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-BY-112, 241-BY-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-BYR-152, 241-BYR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BYR-153, 241-BYR-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-BYR-154, 241-BYR-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
242-B, 242-B Evaporator	Active	RL-TP01	RL-ER02	RL-ER02
242-B-151	Active	RL-TW03	RL-TW03	RL-TW04
244-BX DCRT, 244-BX Double-Contained Receiver Tank, 244-BX RT, 244-BX Receiver Tank, 244-BX-TK/SMP, 244-BX Receiver Vault,	Active	RL-TW03	RL-TW03	RL-TW04

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
244-BXR VAULT, 244-BXR Vault, 244-BXR Receiving Vault. (Subsites 244-BXR-001, 244-BXR-002, 244-BXR-003, 244-BXR-011.)	Active		RL-TW03	RL-TW03
2607-EB	Active	RL-TW03	RL-TW03	RL-TW03
UPR-200-E-105, UN-200-E-105	Active		RL-TW03	RL-TW03
UPR-200-E-108, UN-200-E-108	Active		RL-TW03	RL-TW03
UPR-200-E-109, UN-200-E-109	Active		RL-TW03	RL-TW03
UPR-200-E-110, 241-BY Valve Pit Release, UN-200-E-110	Active		RL-TW03	RL-TW03
UPR-200-E-116, UN-200-E-116	Active		RL-TW03	RL-TW03
UPR-200-E-127, UN-200-E-127	Active		RL-TW03	RL-TW03
UPR-200-E-128, UN-200-E-128	Active		RL-TW03	RL-TW03
UPR-200-E-129, UN-200-E-129	Active		RL-TW03	RL-TW03
UPR-200-E-130, UN-200-E-130	Active		RL-TW03	RL-TW03
UPR-200-E-131, UN-200-E-131	Active		RL-TW03	RL-TW03
UPR-200-E-132, UN-200-E-132	Active		RL-TW03	RL-TW03
UPR-200-E-133, UN-200-E-133	Active		RL-TW03	RL-TW03
UPR-200-E-134, UN-200-E-134	Active		RL-TW03	RL-TW03
UPR-200-E-135, UN-200-E-135	Active		RL-TW03	RL-TW03
UPR-200-E-38, Release from 241-B-152, UN-200-E-38, UN-216-E-38	Active		RL-TW03	RL-TW03
UPR-200-E-5, UN-200-E-5	Active		RL-TW03	RL-TW03
UPR-200-E-6, UN-200-E-6, Contamination Around the 241-B-153 Diversion Box	Active		RL-TW03	RL-TW03
UPR-200-E-73, UN-216-E-1, 241-B-151 Diversion Box Contamination, UN-200-E-73	Active		RL-TW03	RL-TW03
UPR-200-E-74, UN-216-E-2, 241-B-152 Diversion Box Contamination, UN-200-E-74	Active		RL-TW03	RL-TW03
UPR-200-E-75, UN-216-E-3, 241-B-153 Diversion Box Contamination, UN-200-E-75	Active		RL-TW03	RL-TW03
UPR-200-E-76, UN-216-E-4, 241-B-153 Line Break, UN-200-E-76	Active		RL-TW03	RL-TW03
UPR-200-E-79, UN-216-E-7, 242-B to 207-B Line Break, UN-200-E-79	Active		RL-TW03	RL-TW03
HWVP, Hanford Waste Vitrification Plant	Active	RL-WM01		RL-ER02
200-CS-1	Active		RL-ER02	RL-ER02
216-A-29, Snow's Canyon, PUREX Chemical Sewer (CSL)	Active		RL-ER02	RL-ER02
216-B-63, B Plant Chemical Sewer, 216-B-63 Trench	Active		RL-TW03	RL-ER02
216-S-10D, 216-S-10D Ditch, 202 Chemical Sump #1 and Ditch, Chemical Sewer Trench, Open Ditch to the Chemical Sewer Trench, 216-S-10 Ditch	Active		RL-ER02	RL-ER02
216-S-10P, 216-S-10P Pond, 202-S Chemical Sump #1 and Ditch, Chemical Sewer Trench	Active		RL-ER02	RL-ER02
216-S-11, 202-S Chemical Sump #2 and Chemical Sewer Trench, 216-S-11 Swamp	Active		RL-ER02	RL-ER02
216-W-LWC, 216-W-LC, Laundry Waste Crib, 216-W-LWC Crib, 216-W-1	Active		RL-TW03	RL-ER02
UPR-200-W-34, Overflow at 216-S-10 Ditch, UN-200-W-34	Active		RL-ER02	RL-ER02
200-CW-1	Active		RL-ER02	RL-ER02
200-E PD 200-E Powerhouse Ditch, 200 East Powerhouse Pond	Active	RL-TP13	RL-ER02	RL-ER02
207-B, B Plant Retention Basin, 207-B Retention Basin	Active	RL-TP01	RL-ER02	RL-ER02
216-A-25, Gable Mountain Swamp, 216-A-25 Swamp, Gable Mountain Pond	Active		RL-ER02	RL-ER02
216-A-40 Retention Basin, 216-A-39 Crib, 216-A-39 Trench	Active		RL-TW03	RL-ER02
216-A-42, 207-AA Retention Basin, 216-A-42 Trench, 216-A-42 Retention Basin, 207-A Retention Basin	Active	RL-TP01	RL-ER02	RL-ER02
216-A-9, 216-A-9 Crib	Active		RL-ER02	RL-ER02
216-B-2-1, 216-B-1, B Swamp Ditch, 216-B-2, B Ditch	Active		RL-ER02	RL-ER02
216-B-2-2, 216-B-2-2W, 216-B-1 Ditch	Active		RL-ER02	RL-ER02
216-B-2-3, B Pond Ditch, B Swamp Ditch, 216-B-2-2E	Active		RL-ER02	RL-ER02
216-B-3, B Pond, B-3 Pond, B Swamp, 216-B-3 Swamp, B Plant Swamp	Active		RL-ER02	RL-ER02
216-B-3-1, B Swamp Ditch, 216-B-2, 216-B-3 Ditch	Active		RL-ER02	RL-ER02
216-B-3-2, 216-B Ditch, 216-B-1 Ditch, B Swamp Ditch, 216-B-2-2E	Active		RL-ER02	RL-ER02
216-B-3-3, B Swamp Ditch, 216-B-3-3 Ditch	Active		RL-ER02	RL-ER02
216-B-59, 216-B-58 Trench, 216-B-58 Ditch	Active	RL-TP03	RL-ER02	RL-ER02
216-B-59B, 216-B-59 Retention Basin	Active	RL-TP03	RL-ER02	RL-ER02
216-C-9, 216-C-7 Swamp, Former 221-C Canyon Excavation, 216-C-9 Swamp, Semi-Works Swamp, 216-C-9 C Canyon Excavation Semiworks Swamp	Active		RL-TW03	RL-ER02
216-E-28, 216-E-25, 200 East Area Contingency Pond	Rejected(Proposed)			RL-ER02
216-N-8, West Lake, West Pond, 216-N-8 Pond, Honeyhill Pond, Seepage Pond	Active		RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-E-138, Liquid release from B-Plant, UN-200-E-138, UPR-200-W-66, UN-216-W-66	Active		RL-ER02	RL-ER02
UPR-200-E-14, UN-200-E-14, 216-B-3 Pond Dike Break	Active		RL-TW03	RL-ER02
UPR-200-E-32, UN-200-E-32, Coil Leak from 221-B	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-34, Liquid Release to B-Pond and Gable Pond, UN-200-E-34	Active		RL-ER02	RL-ER02
UPR-200-E-51, Liquid Release from Purex to B-Pond, UN-200-E-51	Active		RL-ER02	RL-ER02
UPR-200-E-66, 216-A-42 Basin Contamination Release, UN-216-E-66, UN-200-E-66	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-E-94, Vehicle Decontamintion Area, UN-216-E-22, UN-200-E-94	Active		RL-ER02	RL-ER02
200-CW-2	Active		RL-ER02	RL-ER02
207-S, REDOX Retention Basin, 207-S Retention Basin	Active		RL-ER02	RL-ER02
216-S-16D, 202-S Swamp (New) and Ditch, 202-S Swamp #1, REDOX Pond #2, 216-S-24 Ditch	Active		RL-ER02	RL-ER02
216-S-16P, 202-S Swamp and Ditch, 202-S Swamp #1, REDOX Pond #2	Active		RL-ER02	RL-ER02
216-S-17, 202-S Swamp, 202-S REDOX Swamp, 216-S-1 REDOX Pond No. 1, REDOX Swamp, 216-S-1	Active		RL-ER02	RL-ER02
216-S-172, 216-S-172 Weir Box and Control Structure, 2904-S-172 Weir, 216-S-172 Control Structure	Active		RL-ER02	RL-ER02
2904-S-160, 2904-S-160 Control Structure, 2904-S-160 Weir	Active		RL-ER02	RL-ER02
2904-S-170, 2904-S-170 Weir Box, 2904-S-170 Control Structure	Active		RL-ER02	RL-ER02
2904-S-171, 2904-S-171 Weir Box, 2904-S-171 Control Structure	Active		RL-ER02	RL-ER02
UPR-200-W-13, Liquid Release from REDOX to 207-S and Swamp, UN-200-W-13	Active		RL-ER02	RL-ER02
UPR-200-W-15, Liquid Release from REDOX to the 207-S and Swamp, UN-200-W-15	Active		RL-ER02	RL-ER02
UPR-200-W-47, 216-S-16P Dike Release, UN-200-W-47	Active		RL-ER02	RL-ER02
UPR-200-W-59, Contaminated Liquid Released to 216-S-16P	Active		RL-ER02	RL-ER02
UPR-200-W-95, UN-216-W-2, 216-S-207 Redox Retention Basin	Active		RL-ER02	RL-ER02
200-CW-3	Active		RL-ER02	RL-ER02
216-N-1, 212-N Swamp, 216-N-1 Swamp, 216-N-1 Covered Pond	Active		RL-ER02	RL-ER02
216-N-2, 212-N Storage Basin Crib #1, 212-N #1 Trench, 216-N-1 Trench, 216-N-2 Trench	Active		RL-ER02	RL-ER02
216-N-3, 212-N Storage Basin Crib #2, 212-N #2 Trench, 212-N #2 Grave, 212-N-2 Trench, 212-N-3 Trench	Active		RL-ER02	RL-ER02
216-N-4, 216-N-2, 216-N-4 Swamp, 212-P Swamp	Active		RL-ER02	RL-ER02
216-N-5, 212-P Storage Basin Crib, 212-P Trench, 212-P Grave, 216-N-5 Trench	Active		RL-ER02	RL-ER02
216-N-6, 212-R Swamp, 216-N-6 Swamp	Active		RL-ER02	RL-ER02
216-N-7, 212-R Storage Basin Crib, 212-R Trench, 212-R Grave, 216-N-7 Trench	Active		RL-ER02	RL-ER02
200-CW-4	Active		RL-ER02	RL-ER02
207-T, T Plant Retention Basin, 207-T, 207-T Retention Basin	Active	RL-TW03	RL-TW03	RL-ER02
216-T-1, 221-T Ditch, 221-T Trench, 216-T-1 Trench	Active		RL-TW03	RL-ER02
216-T-12, 207-T Sludge Grave, 207-T Sludge Pit, 216-T-11	Active		RL-TW03	RL-ER02
216-T-4-1D, 216-T-4 Ditch, 216-T-4 Swamp	Active		RL-ER02	RL-ER02
216-T-4-2, 216-T-4-2 Ditch	Active		RL-TW03	RL-ER02
216-T-4A, 216-T-4 Swamp, 216-T-4-1 (P), 216-T-4-1 Pond	Active		RL-ER02	RL-ER02
216-T-4B, 216-T-4 New Pond, 216-T-4-2 (P), 216-T-4-2 Pond	Active		RL-ER02	RL-ER02
200-CW-5	Active		RL-ER02	RL-ER02
207-U, 207-U Retention Basin	Active		RL-ER02	RL-ER02
216-U-10, 231 Swamp, U Swamp, 216-U-1, 216-U-10 Pond	Active		RL-ER02	RL-ER02
216-U-11, U Swamp Extension Ditch, 216-U-12, 216-U-11 Trench, 216-U-11 Ditch, 216-U-11 (old ditch), 216-U-11 (new ditch)	Active		RL-ER02	RL-ER02
216-U-14, Laundry Ditch, 216-U-14 Ditch	Active		RL-ER02	RL-ER02
216-U-9, U Swamp-S Swamp Ditch, 216-U-6	Active		RL-ER02	RL-ER02
216-Z-11, 216-Z-11 Ditch, Z Plant Ditch	Active		RL-ER02	RL-ER02
216-Z-19, 216-U-10 Ditch, Z Plant Ditch, 216-Z-19 Ditch	Active		RL-ER02	RL-ER02
216-Z-1D, 216-Z-1, Drain Ditch to U Swamp, Z Plant Ditch	Active		RL-ER02	RL-ER02
216-Z-20, Z-19 Ditch Replacement Tile Field	Active		RL-TW03	RL-ER02
UPR-200-W-104, UN-216-W-14, 216-U-10 Pond Leach Trench	Active		RL-ER02	RL-ER02
UPR-200-W-105, UN-216-W-15, 216-U-10 Pond Leach Trench	Active		RL-ER02	RL-ER02
UPR-200-W-106, UN-216-W-16, 216-U-10 Pond Leach Trench	Active		RL-ER02	RL-ER02
UPR-200-W-107, UN-216-W-17, 216-U-10 Pond Flood Plain, 216-U-10 Pond Leach Trench	Active		RL-ER02	RL-ER02
UPR-200-W-111, Sludge Trench at 207-U, UN-216-W-21	Active		RL-ER02	RL-ER02
UPR-200-W-112, Sludge Trench at 207-U, UN-216-W-22	Active		RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-W-139, Liquid Release to the 216-U-9 Ditch, UN-200-W-139, UPR-200-W-18	Active		RL-ER02	RL-ER02
UPR-200-W-18, Liquid Release to 216-U-9	Active		RL-ER02	RL-ER02
200-IS-1	Active		RL-ER02	RL-ER02
200-W-16, 292-T Underground Tanks	Active		RL-ER02	RL-ER02
200-W-58, Z-Plant Diversion Box #1	Active	RL-TP05	RL-ER02	RL-ER02
200-W-59, Z-Plant Diversion Box #2	Active	RL-TP05	RL-ER02	RL-ER02
200-W-7, 246-L, 243S-TK-1, 243-S-TK1	Active	RL-TW03	RL-TW03	RL-ER02
216-TY-201, Supernatant Disposal Flush Tank	Active		RL-TW03	RL-ER02
240-S-151, 240-S-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
240-S-152, 240-S-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
240-S-302, 240-S-302 Catch Tank	Active		RL-TW03	RL-ER02
241-A-151, 241-A-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-A-302A, 241-A-302-A Catch Tank	Active	RL-TW03	RL-TW03	RL-ER02
241-A-302B, 241-A-302-B Catch Tank	Active		RL-TW03	RL-ER02
241-B-154, 241-B-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-B-302B, 241-B-302-B Catch Tank, 241-B-302	Active		RL-TW03	RL-ER02
241-BX-154, 241-BX-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-BX-155, 241-BX-155 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-BX-302B, 241-BX-302-B Catch Tank	Active		RL-TW03	RL-ER02
241-BX-302C, 241-BX-302-C Catch Tank	Active		RL-TW03	RL-ER02
241-C-154, 241-C-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-CX-70, 241-CX-TK-70 Tank, Strontium Hot Semi-works	Active		RL-TW03	RL-TW04
241-CX-71, 241-CX-TK-71, 241-CX Neutralization Tank, Strontium Hot Semi-works	Active		RL-TW03	RL-TW04
241-CX-72, 241-CX-TK-72 Vault and Tank, 241-CX-72 Waste Self Concentrator, Strontium Hot Semi-works	Active		RL-TW03	RL-TW04
241-ER-151, 241-ER-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-ER-152, 241-ER-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-ER-311, 241-ER-311 Catch Tank	Active	RL-TW03	RL-TW03	RL-ER02
241-ER-311A, 241-ER-311A Catch Tank, old 241-ER-311	Active		RL-TW03	RL-ER02
241-SX-302, 241-SX-302 Catch Tank, SX-304	Active		RL-TW03	RL-ER02
241-TX-152, 241-TX-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-TX-154, 241-TX-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-TX-155, 241-TX-155 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-TX-302B, 241-TX-302-B Catch Tank	Active	RL-TW03	RL-TW03	RL-ER02
241-TX-302BR, 241-TX-302BR Catch Tank, 241-TXR-302BR	Active		RL-TW03	RL-ER02
241-TX-302C, 241-TX-302-C Catch Tank	Active	RL-TW03	RL-TW03	RL-ER02
241-U-151, 241-U-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-U-152, 241-U-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-UX-154, 241-UX-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-ER02
241-UX-302A, 241-U-302 Catch Tank, 241-UX-302 Catch Tank, 241-UX-302	Active	RL-TW03	RL-TW03	RL-ER02
241-WR VAULT, 241-WR Vault (Tanks -001 through -009), 241-WR Diversion Station Vault	Active		RL-ER02	RL-ER02
241-Z, 241-Z Treatment and Storage Tanks, 241-Z Tank Farm, 241-Z Treatment and Storage System, 241-Z-D-4, 241-Z-D-5, 241-Z-D-7, 241-Z-D-8, 241-Z Sump, 241-Z Tank Pit	Active	RL-TP05	RL-ER02	RL-ER02
276-S-141, 276-S-TK-141, 276-S-306A, 276-S-141 Solvent Storage Tank, Tank 276-141, Hexone Storage Tank, 244-SX-15	Active		RL-ER02	RL-ER02
276-S-142, 276-S-TK-142, 276-S-306B, 276-S-142 Solvent Storage Tank, Tank 276-142, Hexone Storage Tank, 244-SX-15	Active		RL-ER02	RL-ER02
HSVP, Hot Semiworks Valve Pit, 201-C Diversion Box, Semiworks Valve Pit	Active		RL-ER02	RL-ER02
UPR-200-E-1, Waste Line Failure on South Side of 221-B	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-117, Contaminated Liquid Spill, UN-200-E-117	Active	RL-TP01	RL-TW03	RL-ER02
UPR-200-E-25, Contamination Spread from the 241-A-151 Diversion Box, UN-200-E-25	Active		RL-TW03	RL-ER02
UPR-200-E-26, 241-A-151 Release, UN-200-E-26	Active		RL-TW03	RL-ER02
UPR-200-E-3, Line leak from 221-B to 241-BX-154, UN-200-E-3	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-31, 241-A-151 Release, UN-200-E-31	Active		RL-TW03	RL-ER02
UPR-200-E-41, UN-200-E-41 Soil Contamination in the Vicinity of R-13 Stairwell (221-B), UPR-200-E-85	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-42, 241-AX-151 Release, UN-200-E-42	Active		RL-TW03	RL-ER02
UPR-200-E-44, UN-200-E-44, Waste Line Leak South of 221-B	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-45, UN-200-E-45, Contamination Spread from the 241-B-154 Diversion Box	Active	RL-TP01	RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-E-77, UN-216-E-5, 241-B-154 Diversion Box Ground Contamination, UN-200-E-77	Active		RL-TW03	RL-ER02
UPR-200-E-78, UN-216-E-6, 241-BX-155 Diversion Box ground contamination, UN-200-E-78	Active		RL-TW03	RL-ER02
UPR-200-E-80, UN-216-E-8, 221-B R-3 Line Break, R-3 Radiation Zone, UN-200-E-80	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-84,241-ER-151 Catch Tank Leak, UN-200-E-84, UN-216-E-12	Active		RL-TW03	RL-ER02
UPR-200-E-85, Line Leak at 221-B Stairwell R-13, UN-216-E-13, UPR-200-E-41, UN-200-E-85, UN-200-E-41	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-87, UN-216-E-15, 224-B South Side Plutonium Ground Contamination, UN-200-E-87, 216-E-15	Active		RL-ER02	RL-ER02
UPR-200-E-96, Ground Contamination SE of PUREX, UN-216-E-24, UN-200-E-96	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-W-102, UN-216-W-12, UN-200-W-102	Active		RL-ER02	RL-ER02
UPR-200-W-113, Soil Contamination East of 241-TX, UN-216-W-23, UN-200-W-113	Active		RL-ER02	RL-ER02
UPR-200-W-114, UN-216-W-24, Ground Contamination East of 241-SX Tank Farm, UN-200-W-114	Active		RL-ER02	RL-ER02
UPR-200-W-131, Release from 241-TX-155	Active		RL-TW03	RL-ER02
UPR-200-W-135, Release from 241-TX-155, UN-200-2-135	Active		RL-TW03	RL-ER02
UPR-200-W-161, UN-216-W-35, UN-200-W-161	Active		RL-TW03	RL-ER02
UPR-200-W-164, Overhead UNH Line Leak, UN-216-W-29	Active		RL-ER02	RL-ER02
UPR-200-W-167, Contamiantion Migration from 241-TY, UN-216-W-32	Active		RL-TW03	RL-ER02
UPR-200-W-2, UN-200-W-2	Active	RL-WM04	RL-ER02	RL-ER02
UPR-200-W-21, UN-200-W-21, Ground Contamination at 241-TX-154 Diversion Box	Active		RL-TW03	RL-ER02
UPR-200-W-27, Transfer Line Leak, UN-200-W-27	Active		RL-ER02	RL-ER02
UPR-200-W-28, Release from 241-TX-155, UN-200-W-28	Active		RL-TW03	RL-ER02
UPR-200-W-29, Transfer Line Leak, UN-200-W-29, UPR-200-W-27, UN-200-W-27, UN-216-W-5, 23rd and Camden Line Break	Active		RL-ER02	RL-ER02
UPR-200-W-32, UNH Transfer Line Break, UN-200-W-32	Active		RL-ER02	RL-ER02
UPR-200-W-33, Ground Contamination at 224-U, UN-200-W-33	Active		RL-ER02	RL-ER02
UPR-200-W-35, Ground Contamination Near UNH Process Line, UN-200-W-35, REDOX to 224-U UNH Line Leak	Active		RL-ER02	RL-ER02
UPR-200-W-38, Line Break at 241-TX-302, UPR-200-W-160, UPR-200-W-40, UN-200-W-38, 216-T-30, UN-216-W-36,	Active		RL-TW03	RL-ER02
UPR-200-W-49, Contamination Southeast of 241-SX, UN-200-W-49	Active		RL-TW03	RL-ER02
UPR-200-W-5, Overflow at 241-TX-155, UN-200-W-5	Active		RL-TW03	RL-ER02
UPR-200-W-6, UN-200-W-6, Contamination Spread from 241-U-151 and 152 Diversion Boxes	Active		RL-TW03	RL-ER02
UPR-200-W-64, Road Contamination, UN-200-W-64	Active		RL-ER02	RL-ER02
UPR-200-W-79, Contamination Spread at 241-Z, UN-200-W-79	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-97, Transfer Line Leak, UN-216-W-5, UN-200-W-97	Active		RL-ER02	RL-ER02
UPR-200-W-98, UN-216-W-6, 221-T at R-19 Waste Line Break, UN-200-W-98	Active	RL-WM04	RL-ER02	RL-ER02
UPR-600-20, UN-216-E-41, Cross Country Transfer Line	Active		RL-TW03	RL-ER02
200-LW-1	Active		RL-ER02	RL-ER02
216-B-53A, 216-B-53A Trench	Active		RL-ER02	RL-ER02
216-B-53B, 216-B-53 Trench, 216-B-53B Trench	Active		RL-ER02	RL-ER02
216-B-54, 216-B-54 Trench	Active		RL-ER02	RL-ER02
216-B-58, 216-B-58 Trench, 216-B-59 Crib	Active		RL-ER02	RL-ER02
216-T-27, 216-TY-2 Cavern, 216-TY-2 Crib, 216-TX-2 Cavern, 216-TX-2 Crib	Active		RL-ER02	RL-ER02
216-T-28, 216-TY-3 Cavern, 216-TY-3 Crib, 216-TX-3 Cavern, 216-TX-3 Crib	Active		RL-ER02	RL-ER02
216-T-34	Active		RL-ER02	RL-ER02
216-T-35	Active		RL-ER02	RL-ER02
200-LW-2	Active		RL-ER02	RL-ER02
207-SL, 222-S Retention Basin, REDOX Lab Retention Basin, 207-SL Retention Basin	Active	RL-WM06	RL-ER02	RL-ER02
216-A-15, Miscellaneous Stream #461	Active	RL-TP03	RL-ER02	RL-ER02
216-B-10A, 222-B-1 Crib, 216-B-10 Crib, 292-B	Active		RL-ER02	RL-ER02
216-B-10B, 222-B-2 Crib, 216-B-10 Crib	Active		RL-ER02	RL-ER02
216-B-6, 222-B-110 Reverse Well, 216-B-6 Dry Well, 216-B-6 Crib, 222-B-110 Dry Well	Active		RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
216-S-19, 222-S Lab Swamp, 216-SL-1, REDOX Lab Swamp, 216-S-19 Pond	Active		RL-ER02	RL-ER02
216-S-20, 216-SL-1&2 Crib, 216-SL-2	Active		RL-ER02	RL-ER02
216-S-26, 216-S-19 Replacement Facility, 216-S-26 Crib	Active		RL-TW03	RL-ER02
216-T-2, 222-T-110 Dry Well	Active		RL-ER02	RL-ER02
216-T-8, 222-T-1 & 2 Cribs	Active		RL-ER02	RL-ER02
216-U-4, 222-U Dry Well, 222-U-110 Dry Well, 216-U-2, 216-U-4 Dry Well	Active		RL-ER02	RL-ER02
216-U-4A, 216-U-4 Reverse Well/4a French Drain, 216-U-4 Dry Well	Active		RL-ER02	RL-ER02
216-U-4B, 216-U-4B Dry Well, 216-U-4B French Drain	Active		RL-ER02	RL-ER02
216-Z-16	Active		RL-ER02	RL-ER02
216-Z-17, 216-Z-17 Ditch	Active		RL-ER02	RL-ER02
216-Z-7, 231-W Crib, 231-W Trench, 216-Z-6	Active		RL-ER02	RL-ER02
CTFN 2703-E, Chemical Tile Field North of 2703-E	Active	RL-TP13	RL-ER02	RL-ER02
200-MW-1	Active		RL-ER02	RL-ER02
200-E-4, Critical Mass Laboratory Dry Well North, 209-E North Dry Well, Miscellaneous Stream #730	Active	RL-TW03	RL-TW03	RL-ER02
200-W PP, 200-W Powerhouse Pond, 200 West Powerhouse Ponds, 284-W-B	Active	RL-TP13	RL-ER02	RL-ER02
209-E-WS-1, 209-E French Drain	Active	RL-TW03	RL-TW03	RL-ER02
209-E-WS-2, Critical Mass Lab French Drain	Active	RL-TW03	RL-TW03	RL-ER02
216-A-11 French Drain, Miscellaneous Stream #465	Active	RL-TP03	RL-ER02	RL-ER02
216-A-12, Miscellaneous Stream #463	Active	RL-TP03	RL-ER02	RL-ER02
216-A-13, 216-A-13 French Drain, Miscellaneous Stream #460	Active	RL-TP03	RL-ER02	RL-ER02
216-A-14, French Drain - Vacuum Cleaner Filter Pit, Miscellaneous Stream #462	Active	RL-TP03	RL-ER02	RL-ER02
216-A-21	Active	RL-TP03	RL-ER02	RL-ER02
216-A-22, 216-A-22 French Drain, 216-A-22 Crib	Active	RL-TP03	RL-ER02	RL-ER02
216-A-26, 216-A-26 French Drain, 216-A-26B, Miscellaneous Stream #464	Active	RL-TP03	RL-ER02	RL-ER02
216-A-26A, 216-A-25 Crib, 216-A-26 French Drain, 291-A French Drain	Active	RL-TP03	RL-ER02	RL-ER02
216-A-27	Active		RL-ER02	RL-ER02
216-A-32	Active	RL-TP03	RL-ER02	RL-ER02
216-A-33, 216-A-33 Dry Well, 216-A-26B	Active	RL-TP03	RL-ER02	RL-ER02
216-A-35 French Drain, 216-A-35 Dry Well	Active	RL-TP03	RL-ER02	RL-ER02
216-A-4, 216-A-4 Cavern	Active	RL-TP03	RL-ER02	RL-ER02
216-A-41	Active	RL-TP01	RL-ER02	RL-ER02
216-B-13, 216-B-13 French Drain, 291-B Crib, 216-B-B, 216-B-13 Crib	Active	RL-TP03	RL-ER02	RL-ER02
216-B-4, 216-B-4 French Drain, 216-B-4 Dry Well	Active	RL-TP01	RL-ER02	RL-ER02
216-B-56	Rejected(Proposed)			RL-ER02
216-C-2, 291-C Dry Well, 216-C-2 Dry Well	Active		RL-ER02	RL-ER02
216-S-12, UPR-200-W-30, 291-S Stack Wash Sump, REDOX Stack Flush Trench	Active		RL-ER02	RL-ER02
216-S-18, 241-SX Steam Cleaning Pit, 216-S-14 Steam Cleaning Pit	Active		RL-ER02	RL-ER02
216-SX-2 Crib	Active		RL-TW03	RL-ER02
216-T-10, Decontamination Trenches, Equipment Decontamination Area	Active		RL-ER02	RL-ER02
216-T-11, Decontamination Trenches, Equipment Decontamination Area	Active		RL-ER02	RL-ER02
216-T-13, 269-W Regulated Garage, 269-W Decontamination Pit or Trench, 216-T-12, 269-W Regulated Garage Decontamination Pit	Active		RL-ER02	RL-ER02
216-T-29, 291-T Sand Filter Sewer, 216-T-29 French Drain	Active	RL-WM04	RL-ER02	RL-ER02
216-T-31	Active		RL-TW03	RL-ER02
216-T-33	Active		RL-ER02	RL-ER02
216-T-9, Decontamination Trenches, Equipment Decontamination Area	Active		RL-ER02	RL-ER02
216-U-13, 216-U-13 Cribs, 216-U-13, 241-UR Steam Cleaning Pit	Active		RL-ER02	RL-ER02
216-U-3, 216-U-11, 216-U-3 French Drain	Active		RL-ER02	RL-ER02
216-U-7, 221-U Vessel Vent Blower Pit French Drain	Active		RL-ER02	RL-ER02
216-Z-13, 234-5 Dry Well #1, 216-Z-13 Dry Well	Active	RL-TP05	RL-ER02	RL-ER02
216-Z-14, 234-5 Dry Well #2, 216-Z-14 Dry Well	Active	RL-TP05	RL-ER02	RL-ER02
216-Z-15, 234-5 Dry Well #3, 216-Z-15 Dry Well	Active	RL-TP05	RL-ER02	RL-ER02
216-Z-21, 216-Z-21 Seepage Basin, PFP Cold Waste Pond	Active		RL-TW03	RL-ER02
2704-C-WS-1, 2704-C French Drain, Gatehouse French Drain	Active		RL-ER02	RL-ER02
2718-E-WS-1, 2718 French Drain	Active		RL-ER02	RL-ER02
299-E24-111	Active		RL-ER02	RL-ER02
UPR-200-E-13, Overflow from 216-A-4, UN-200-E-13, UPR-200-E-15	Active		RL-ER02	RL-ER02
UPR-200-E-15, Overflow at 216-A-4, UN-200-E-15, UPR-200-E-13	Active		RL-TW03	RL-ER02
UPR-200-E-17, Overflow at 216-A-22, UN-200-E-17	Active		RL-TW03	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-W-138, 221-U Vessel Vent Blower Pit French Drain, UN-216-W-11, UN-200-W-138, UN-200-W-22, UPR-200-W-22	Active		RL-ER02	RL-ER02
UPR-200-W-30, 216-S-12, UN-200-W-30	Rejected(Proposed)			RL-ER02
200-E-43, Tank Car Storage Area, Regulated Equipment Storage Area, TC-4 Spur Tank Car Storage Area	Active	RL-TW03	RL-TW03	RL-ER02
200-E-44, PUREX Railroad Cut	Active	RL-TP03	RL-TP10	RL-ER02
200-E-54, Liquid Release to the Environment from PUREX Deep Filter Bed #1	Active	RL-TP03	RL-ER02	RL-ER02
202-A HWSA, 202-A Hazardous Waste Storage Area	Active	RL-TP03	RL-ER02	RL-ER02
202-A NU, 202-A Neutralization Unit, Elementary Neutralization Unit/202-A Building, PUREX	Active	RL-TP03	RL-ER02	RL-ER02
202-A-E-F11, 202-A-TK-E-F11, PUREX Tank E-F11	Active	RL-TP03	RL-ER02	RL-ER02
202-A-E5, 202-A-TK-E5, PUREX Tank E5	Active	RL-TP03	RL-ER02	RL-ER02
202-A-F15, 202-A-TK-F15, PUREX Tank F-15	Active	RL-TP03	RL-ER02	RL-ER02
202-A-F16, 202-A-TK-F16, PUREX Tank F16	Active	RL-TP03	RL-ER02	RL-ER02
202-A-F18, 202-A-TK-F18, PUREX Tank F18	Active	RL-TP03	RL-ER02	RL-ER02
202-A-G7, 202-A-TK-G7, PUREX Tank G7	Active	RL-TP03	RL-ER02	RL-ER02
202-A-U3, 202-A-TK-U3, PUREX Tank U3	Active	RL-TP03	RL-ER02	RL-ER02
202-A-U4, 202-A-TK-U4, PUREX Tank U4	Active	RL-TP03	RL-ER02	RL-ER02
202-A-WS-1, PUREX Waste Piles	Active	RL-TP03	RL-ER02	RL-ER02
205-A, 205-A Silica Gel Facility	Active			RL-ER02
211-A NU, 211-A Neutralization Unit, Elementary Neutralization Unit/211-A Building, PUREX	Active	RL-TP03	RL-ER02	RL-ER02
218-E-14, PUREX Tunnel No. 1	Active	RL-TP03	RL-TP10	RL-ER02
218-E-15, PUREX Tunnel No. 2	Active	RL-TP03	RL-ER02	RL-ER02
200-E-27, 242AC Pipefitter Shop Lead Cutting Area	Active	RL-TW03	RL-TW03	RL-TW03
204-AR, 204-AR Waste Unloading Station	Active	RL-TW03	RL-TW03	RL-TW04
216-A-16, 216-A-16 Dry Well	Active			RL-ER02
216-A-17, 216-A-17 Dry Well	Active			RL-ER02
216-A-23A	Active			RL-ER02
216-A-23B	Active			RL-ER02
216-A-39, 216-A-39 Crib, 216-A-39 Trench	Active		RL-TW03	RL-ER02
241-A-101, 241-A-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-A-102, 241-A-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-A-103, 241-A-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-A-104, 241-A-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-A-105, 241-A-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-A-106, 241-A-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-A-152, 241-A-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
216-BY-201, Flush Tank 241-BY, 216-BY-47, Supernatant Disposal Flush Tank	Active		RL-TW03	RL-ER02
241-A-153, 241-A-153 Diversion Box, 241-A-153 Transfer Station	Active	RL-TW03	RL-TW03	RL-TW04
241-A-350, 241-A-350 Catch Tank, 241-A-350 Drainage Lift Station	Active	RL-TW03	RL-TW03	RL-TW04
241-A-417, 241-A-417 Condensate Tank	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-101, 241-AX-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-102, 241-AX-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-103, 241-AX-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-104, 241-AX-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-152DS, 241-AX-152 Diverter Station, 241-AX-152-DS Diverter Station	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-155, 241-AX-155 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-501, 241-AX-501 Valve Pit, 241-AX-501 Condensate Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-A, 241-AX-A Diversion Box, 241-AX-A Structural Valve Pit, 241-AX-A Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-B, 241-AX-B Diversion Box, 241-AX-B Structural Valve Pit, 241-AX-B Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-C-101, 241-C-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-C-102, 241-C-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-C-103, 241-C-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-C-104, 241-C-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-C-105, 241-C-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-C-106, 241-C-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-C-107, 241-C-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-C-108, 241-C-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-C-109, 241-C-TK-109	Active	RL-TW03	RL-TW03	RL-TW04

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
241-C-110, 241-C-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-C-111, 241-C-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-C-112, 241-C-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-C-151, 241-C-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-C-152, 241-C-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-C-153, 241-C-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-C-201, 241-C-TK-201	Active	RL-TW03	RL-TW03	RL-TW04
241-C-202, 241-C-TK-202	Active	RL-TW03	RL-TW03	RL-TW04
241-C-203, 241-C-TK-203	Active	RL-TW03	RL-TW03	RL-TW04
241-C-204, 241-C-TK-204	Active	RL-TW03	RL-TW03	RL-TW04
241-C-252, 241-C-252 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-C-301, 241-C-301-C Catch Tank, 241-C-301C	Active		RL-TW03	RL-TW04
241-CR-151, 241-CR-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-CR-152, 241-CR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-CR-153, 241-CR-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-101, 241-S-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-S-102, 241-S-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-S-103, 241-S-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-S-104, 241-S-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-S-105, 241-S-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-S-106, 241-S-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-S-107, 241-S-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-S-108, 241-S-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-S-109, 241-S-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-S-110, 241-S-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-S-111, 241-S-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-S-112, 241-S-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-S-151, 241-S-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-152, 241-S-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-302A, 241-S-302-A Catch Tank	Active		RL-TW03	RL-TW03
241-S-302B, 241-S-302-B Catch Tank	Active		RL-TW03	RL-TW03
241-S-304, 241-S-304 Catch Tank	Active	RL-TW03	RL-TW03	RL-ER02
241-S-A, 241-S-A Valve Pit, 241-S-A Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-B, 241-S-B Valve Pit, 241-S-B Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-C, 241-S-C Valve Pit, 241-S-C Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-S-D, 241-S-D Valve Pit, 241-S-D Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-101, 241-SX-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-102, 241-SX-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-103, 241-SX-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-104, 241-SX-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-105, 241-SX-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-106, 241-SX-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-107, 241-SX-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-108, 241-SX-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-109, 241-SX-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-110, 241-SX-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-111, 241-SX-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-112, 241-SX-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-113, 241-SX-TK-113	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-114, 241-SX-TK-114	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-115, 241-SX-TK-115	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-151, 241-SX-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-152, 241-SX-152 Diversion Box, 241-SX-152 Transfer Box	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-A, 241-SX-A Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-SX-B, 241-SX-B Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-SY-A, 241-SY-A Diversion Box, 241-SY-A Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-T-101, 241-T-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-T-102, 241-T-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-T-103, 241-T-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-T-104, 241-T-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-T-105, 241-T-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-T-106, 241-T-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-T-107, 241-T-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-T-108, 241-T-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-T-109, 241-T-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-T-110, 241-T-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-T-111, 241-T-TK-111	Active	RL-TW03	RL-TW03	RL-TW04

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
241-T-112, 241-T-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-T-151, 241-T-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-T-153, 241-T-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-T-201, 241-T-TK-201	Active	RL-TW03	RL-TW03	RL-TW04
241-T-202, 241-T-TK-202	Active	RL-TW03	RL-TW03	RL-TW04
241-T-203, 241-T-TK-203	Active	RL-TW03	RL-TW03	RL-TW04
241-T-204, 241-T-TK-204	Active	RL-TW03	RL-TW03	RL-TW04
241-T-252, 241-T-252 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-T-301B, 241-T-301 Catch Tank, 241-T-301-B	Active		RL-TW03	RL-TW03
241-T-302	Active	RL-TW03	RL-TW03	RL-TW04
241-T-361, 241-T-361 Settling Tank, 361-T-TANK	Active	RL-TW03	RL-TW03	RL-TW04
241-TR-152, 241-TR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-TR-153, 241-TR-153 Diversion Box, 241-TR-153 Booster Pump Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-101, 241-TX-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-102, 241-TX-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-103, 241-TX-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-104, 241-TX-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-105, 241-TX-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-106, 241-TX-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-107, 241-TX-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-108, 241-TX-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-109, 241-TX-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-110, 241-TX-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-111, 241-TX-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-112, 241-TX-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-113, 241-TX-TK-113	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-114, 241-TX-TK-114	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-115, 241-TX-TK-115	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-116, 241-TX-TK-116	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-117, 241-TX-TK-117	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-118, 241-TX-TK-118	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-153, 241-TX-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-302A, 241-TX-302-A Catch Tank	Active	RL-TW03	RL-TW03	RL-TW04
241-TX-302XB, 241-TX-302B Catch Tank, 241-TX-302-X, 241-TX-302-X (B)	Active		RL-TW03	RL-TW04
241-TXR-151, 241-TXR-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW03
241-TXR-152, 241-TXR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-TXR-153, 241-TXR-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-101, 241-TY-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-102, 241-TY-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-103, 241-TY-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-104, 241-TY-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-105, 241-TY-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-106, 241-TY-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-153, 241-TY-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-TY-302A, 241-TY-302-A Catch Tank	Active		RL-TW03	RL-TW04
241-TY-302B, 241-TY-302-B Catch Tank	Active		RL-TW03	RL-TW03
241-U-101, 241-U-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-U-102, 241-U-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-U-103, 241-U-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-U-104, 241-U-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-U-105, 241-U-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-U-106, 241-U-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-U-107, 241-U-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-U-108, 241-U-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-U-109, 241-U-TK-109	Active	RL-TW03	RL-TW03	RL-TW04
241-U-110, 241-U-TK-110	Active	RL-TW03	RL-TW03	RL-TW04
241-U-111, 241-U-TK-111	Active	RL-TW03	RL-TW03	RL-TW04
241-U-112, 241-U-TK-112	Active	RL-TW03	RL-TW03	RL-TW04
241-U-201, 241-U-TK-201	Active	RL-TW03	RL-TW03	RL-TW04
241-U-202, 241-U-TK-202	Active	RL-TW03	RL-TW03	RL-TW04
241-U-203, 241-U-TK-203	Active	RL-TW03	RL-TW03	RL-TW04
241-U-204, 241-U-TK-204	Active	RL-TW03	RL-TW03	RL-TW04
242-T-135	Active		RL-TW03	RL-TW03
242-TA-R1, 242-TA, Receiver TK-Vault, 242-TA Receiver Tank Vault, Z Waste, Receiver Tank TK-R1	Active		RL-TW03	RL-TW03
244-CR VAULT, 244-CR Vault	Active	RL-TW03	RL-TW03	RL-TW03

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
244-TX DCRT, 244-TX Double-Contained Receiver Tank, 244-TX RT, 244-TX Receiver Tank, 244-TX Receiver Vessel, 244-TX-TK/SMP	Active	RL-TW03	RL-TW03	RL-TW04
244-TXR VAULT, 244-TXR, 244-TXR Vault (Tanks TXR-001, -002, -003)	Active		RL-TW03	RL-TW03
241-A-702-WS-1, 702-A Drain Lines	Active	RL-TW03	RL-TW03	RL-TW04
241-A-A, 241-A-A Diversion Box, 241-A-A Structural Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-A-B, 241-A-B Diversion Box, 241-A-B Structural Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-101, 241-AN-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-102, 241-AN-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-103, 241-AN-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-104, 241-AN-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-105, 241-AN-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-106, 241-AN-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-107, 241-AN-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-A, 241-AN-A Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AN-B, 241-AN-B Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AP VP, 241-AP Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-101, 241-AP-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-102, 241-AP-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-103, 241-AP-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-104, 241-AP-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-105, 241-AP-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-106, 241-AP-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-107, 241-AP-TK-107	Active	RL-TW03	RL-TW03	RL-TW04
241-AP-108, 241-AP-TK-108	Active	RL-TW03	RL-TW03	RL-TW04
241-AR-151, 241-AR-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-101, 241-AW-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-102, 241-AW-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-103, 241-AW-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-104, 241-AW-TK-104	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-105, 241-AW-TK-105	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-106, 241-AW-TK-106	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-A, 241-AW-A Valve Pit, 241-AW-A Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AW-B, 241-AW-B Valve Pit, 241-AW-B Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AX-151, 241-AX-151 Diversion Box, 241-AX-151 Diverter Station	Active		RL-TW03	RL-TW04
241-AX-152CT, 241-AX-152-CT Catch Tank	Active	RL-TW03	RL-TW03	RL-TW04
241-AY-101, 241-AY-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AY-102, 241-AY-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AY-151, 241-AY-151 Diversion Box, 241-AY-151 Pump Out Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-AY-152, 241-AY-152 Diverter Station, 241-AY-152 Sluice Transfer Box	Active	RL-TW03	RL-TW03	RL-TW04
241-AZ-101, 241-AZ-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-AZ-102, 241-AZ-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-AZ-151CT, 241-AZ-151-CT Catch Tank	Active	RL-TW03	RL-TW03	RL-TW04
241-AZ-151DS, 241-AZ-151-DS Diverter Station, 241-AZ-151 Diverter Station	Active	RL-TW03	RL-TW03	RL-TW04
241-AZ-152, 241-AZ-152 Diversion Box, 241-AZ-152 Sluice Transfer Box	Active	RL-TW03	RL-TW03	RL-TW04
241-ER-153, 241-ER-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
242-A, 241-A Evaporator	Active	RL-WM05	RL-ER02	RL-ER02
244-A DCRT, 244-A Double-Contained Receiver Tank, 244-A RT, 244-A Receiver Tank, 244-A-TK/SMP	Active	RL-TW03	RL-TW03	RL-TW04
244-A LS, 244-A Lift Station, 244-AR Lift Station, 244-AR LS	Active	RL-TW03	RL-TW03	RL-TW03
244-AR VAULT, 244-AR Vault	Active		RL-TW03	RL-TW03
244-CR-WS-1, 244-CR French Drain	Active	RL-TW03	RL-TW03	RL-TW03
2607-E10	Active	RL-TW03	RL-TW03	RL-TW03
2607-ED	Active	RL-TW03	RL-TW03	RL-TW03
2607-EG	Active	RL-TW03	RL-TW03	RL-TW03
GTF, Grout Treatment Facility	Active	RL-TW03	RL-TW03	RL-TW03
GTFL, Grout Treatment Facility Landfill, GTF Vaults, PSW Vault	Active	RL-TW03	RL-TW03	RL-TW03
UPR-200-E-100, Radioactive Spill Near 244-A Lift Station, UN-216-E-100, UN-216-E-29, UN-200-E-100	Active		RL-TW03	RL-TW03
UPR-200-E-107, UN-200-E-107	Active		RL-TW03	RL-TW03
UPR-200-E-115, UN-200-E-115	Active		RL-TW03	RL-TW03
UPR-200-E-118, UN-200-E-118	Active		RL-TW03	RL-TW03
UPR-200-E-119, UN-200-E-119	Active		RL-TW03	RL-TW03
UPR-200-E-125, UN-200-E-125	Active		RL-TW03	RL-TW03
UPR-200-E-126, UN-200-E-126	Active		RL-TW03	RL-TW03
UPR-200-E-136, UN-200-E-136	Active		RL-TW03	RL-TW03
UPR-200-E-137, UN-200-E-137	Active		RL-TW03	RL-TW03

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-E-27, UN-200-E-27	Active		RL-TW03	RL-TW03
UPR-200-E-47, UN-200-E-47	Active		RL-TW03	RL-TW03
UPR-200-E-48, UN-200-E-48	Active		RL-TW03	RL-TW03
UPR-200-E-59, Contaminated Bird Nests and Mud at 216-A-40 and 244-AR Vault, UN-200-E-59	Active		RL-TW03	RL-TW03
UPR-200-E-68, Radioactive Contamination near 244-AR Vault, UN-216-E-68, UN-200-E-68	Active		RL-TW03	RL-TW03
UPR-200-E-72, Radioactive Contamination from Uncovered Buried Waste, UN-200-E-72	Active		RL-TW03	RL-TW03
UPR-200-E-81, UN-216-E-9, 241-CR-151 Line Break, UN-200-E-81	Active		RL-TW03	RL-TW03
UPR-200-E-82, UN-216-E-10, 241-C-152 Line Break, UN-200-E-82, B Plant Ion Exchange Feed Line Leak	Active		RL-TW03	RL-TW03
UPR-200-E-91, UN-216-E-19, UN-200-E-91	Active		RL-TW03	RL-TW03
UPR-200-E-99, UN-216-E-27, Contamination Adjacent to 244-CR Vault, UN-200-E-99	Active		RL-TW03	RL-TW03
200-E-53, Contaminated Zone Adjacent to 218-E-12B and 218-E-8	Active		RL-ER02	RL-ER02
200-PW-1	Active		RL-ER02	RL-ER02
216-T-19, 241-TX-153 Crib and Tile Field, 216-TX-1, 241-TX-3, 216-T-19TF	Active		RL-ER02	RL-ER02
216-Z-1&2, 234-5 No. 1 Crib, 216-Z-7, 234-5 No. 2 Crib, 216-Z-1 & 2TF, 216-Z-1 and 216-Z-2 Cribs	Active		RL-ER02	RL-ER02
216-Z-12, 241-Z-12 Crib	Active		RL-ER02	RL-ER02
216-Z-18, 216-Z-18 Crib	Active		RL-ER02	RL-ER02
216-Z-1A, 216-Z-1A Tile Field, 216-Z-7, 234-5 Tile Field, 216-Z-1AA, 216-Z-1AB, 216-Z-1AC	Active		RL-ER02	RL-ER02
216-Z-3, 216-Z-3 Culvert, 216-Z-8, 234-5 No. 3 & 4 Cribs	Active		RL-ER02	RL-ER02
216-Z-9, 216-Z-9 Cavern, 234-5 Recuplex Cavern, 216-Z-10, 216-Z-9 Crib, 216-Z-9 Trench	Active	RL-TP05	RL-ER02	RL-ER02
241-Z-361, 241-Z-361 Settling Tank	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-103, 216-Z-18 Line Break, UN-216-W-13, UN-200-W-103	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-110, Contaminated Soil at 216-Z-1, UN-216-W-20	Active		RL-ER02	RL-ER02
200-PW-2	Active		RL-ER02	RL-ER02
216-A-1, 216-A-1 Cavern, 216-A-1 Trench	Active		RL-ER02	RL-ER02
216-A-10, 216-A-10 Crib	Active		RL-ER02	RL-ER02
216-A-18, 216-A-18 Excavation, 216-A-18 Grave, 216-A-18 Sump, 216-A-18 Crib	Active		RL-ER02	RL-ER02
216-A-19, 216-A-19 Test Hole, 216-A-19 Grave, 216-A-19 Sump, 216-A-19 Crib	Active		RL-ER02	RL-ER02
216-A-20, 216-A-20 Test Hole, 216-A-20 Grave, 216-A-20 Sump, 216-A-20 Crib	Active		RL-ER02	RL-ER02
216-A-28, 216-A-28 French Drain, 216-A-28 Crib	Active	RL-TP03	RL-ER02	RL-ER02
216-A-3, 216-A-3 Cavern, 216-A-3 Crib	Active		RL-ER02	RL-ER02
216-A-36A, 216-A-36 Crib	Active	RL-TP03	RL-ER02	RL-ER02
216-A-36B, 216-A-36 Crib, Purex Ammonia Scrubber Distillate (ASD)	Active		RL-ER02	RL-ER02
216-A-5, 216-A-5 Cavern	Active	RL-TP03	RL-ER02	RL-ER02
216-B-12, 216-ER Crib, 216-ER-1,2,3 Cribs	Active		RL-ER02	RL-ER02
216-B-60, 216-B-60 Crib	Active	RL-TP01	RL-ER02	RL-ER02
216-C-1, 216-C Crib	Active		RL-ER02	RL-ER02
216-S-1&2, 216-S-5 Crib, 216-S-1 & 2	Active		RL-ER02	RL-ER02
216-S-7, 216-S-15	Active		RL-ER02	RL-ER02
216-S-8, Cold Aqueous Trench, Cold Aqueous Crib, 216-S-3, Unirradiated Uranium Waste Trench, Cold Aqueous Grave	Active		RL-ER02	RL-ER02
216-U-1&2, 361-WR (Crib 2), 216-U-3, 216-UR #1&2 Cribs, 216-U-1 & 2	Active		RL-ER02	RL-ER02
216-U-12, 216-U-12 Crib	Active		RL-ER02	RL-ER02
216-U-5, 216-U-4, 221-U Cold U Trench #2	Active		RL-ER02	RL-ER02
216-U-6, U Facility Unirradiated Uranium Waste Trench, 221-U Cold U Trench, 216-U Cold U Trench #1, 216-U-5, 221-U Cold U Grave #1	Active		RL-ER02	RL-ER02
216-U-8, 216-WR-1,2,3 Cribs, 216-U-9	Active		RL-ER02	RL-ER02
241-U-361, 241-U-361 Settling Tank, 361-U-TANK	Active	RL-TW03	RL-TW03	RL-TW04
270-E-1, 270--E CNT, 270-E Condensate Neutralization Tank, 216-ER-1	Active	RL-TP01	RL-ER02	RL-ER02
270-W, 270-W Tank, 270-W Neutralization Tank	Active		RL-TW03	RL-ER02
UPR-200-E-39, Release from 216-A-36B Crib Sampler, UN-200-E-39	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-E-40, Release from the 216-A-36B Crib Sampler, UN-200-E-40	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-E-64, UN-216-E-64, Radioactive Soil and Ant Hills , UN-200-E-64, UN-216-E-36	Active		RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-W-163, Contaminated Vegetation at the 216-U-8 Pipeline, UN-216-W-33	Active		RL-ER02	RL-ER02
UPR-200-W-19, 361-U Overflow, UN-200-W-19	Active		RL-ER02	RL-ER02
UPR-200-W-36, Groundwater Contamination at 216-S-1 and 216-S-2	Active		RL-ER02	RL-ER02
200-PW-3	Active		RL-ER02	RL-ER02
216-A-2, 216-A-2 Cavern	Active	RL-TP03	RL-ER02	RL-ER02
216-A-24	Active		RL-ER02	RL-ER02
216-A-31	Active	RL-TP03	RL-ER02	RL-ER02
216-A-524, 216-A-524 Control Structure, 216-A 524 Weir	Active		RL-ER02	RL-ER02
216-A-7, 216-A-7 Cavern	Active		RL-ER02	RL-ER02
216-A-8, 216-A-8 Crib	Active		RL-TW03	RL-ER02
216-C-4, 216-C-4 Crib	Active		RL-ER02	RL-ER02
216-S-13, 276-S Crib, 216-S-6	Active		RL-ER02	RL-ER02
216-S-14, Buried Contaminated Hexone, Cold Organic Trench or Grave, 216-S-4 Burial Contaminated Hexone	Active		RL-ER02	RL-ER02
216-U-15, UN-216-W-10, 388-U Tank Dumping, UPR-200-W-125, UN-200-W-158, U-152 Interface Crud Burial	Active		RL-ER02	RL-ER02
UPR-200-E-56, 216-A-24 Crib Excavation, Excavated Contamination Adjacent to 216-A-24 Crib, UN-200-E-56, UN-216-E-33	Active		RL-ER02	RL-ER02
UPR-200-W-125, 216-U-15, UN-200-W-125, UN-216-W-10	Active		RL-ER02	RL-ER02
200-PW-4	Active		RL-ER02	RL-ER02
207-A-SOUTH, 207-A, 207-A Retention Basin, 207-A-SOUTH Retention Basin, 207-A South	Active	RL-WM05	RL-ER02	RL-ER02
209-E-WS-3, Critical Mass Laboratory Valve Pit and Hold Up Tank (209-E-TK-111)	Active	RL-TW03	RL-TW03	RL-ER02
216-A-34, 216-A-34 Ditch, 216-A-34 Crib	Active		RL-ER02	RL-ER02
216-A-37-1, 216-A-37 Crib	Active		RL-ER02	RL-ER02
216-A-45, 216-A-45 Crib	Active	RL-TP03	RL-ER02	RL-ER02
216-C-10	Active		RL-ER02	RL-ER02
216-C-3, 201-C Leaching Pit, 216-C-3 Crib	Active		RL-ER02	RL-ER02
216-C-5	Active		RL-ER02	RL-ER02
216-C-7, 216-C-7 Crib	Active		RL-TW03	RL-ER02
216-S-22	Active		RL-ER02	RL-ER02
216-S-23	Active		RL-ER02	RL-ER02
216-S-4, 216-S-7, 216-S-4 Sump or Crib, UN-216-W-1	Active		RL-ER02	RL-ER02
216-T-20, 155-TX, 216-TX-2, 216-T-20 Crib, Contaminated Acid Grave	Active		RL-ER02	RL-ER02
216-U-16, UO3 Crib	Active		RL-TW03	RL-ER02
216-U-17	Active		RL-TW03	RL-ER02
UPR-200-E-145, W049H Green Soil	Active		RL-TW03	RL-ER02
200-PW-5	Active		RL-ER02	RL-ER02
216-B-11A&B, 216-B-11 Crib, 242-B-1 Crib, 216-B-11A & B	Active		RL-ER02	RL-ER02
216-B-50, 216-BY-8 Crib, 216-BY-8 Cavern	Active		RL-ER02	RL-ER02
216-B-57, 216-B-57 Enclosed Trench	Active		RL-ER02	RL-ER02
216-B-62, 216-B-62 Enclosed Trench, 216-B-62 Crib	Active		RL-TW03	RL-ER02
216-C-6, 241-CX Crib	Active		RL-ER02	RL-ER02
216-S-21, 216-SX-1, 216-SX-1 Cavern or Crib	Active		RL-ER02	RL-ER02
216-S-9	Active		RL-ER02	RL-ER02
UPR-200-W-108, Line leak at 216-S-9 Crib, UN-216-W-18, UN-200-W-108	Active		RL-ER02	RL-ER02
UPR-200-W-109, Waste Line Leak near 218-W-9, UN-216-W-19, UN-200-W-109	Active		RL-ER02	RL-ER02
200-PW-6	Active		RL-ER02	RL-ER02
216-Z-10, 216-Z-2, 231-W Reverse Well, 231-W-150 Dry Well or Reverse Well	Active		RL-ER02	RL-ER02
216-Z-4, 231-W-3 Pit, 231-W-3 Sump, 231-W-3 Crib, 216-Z-3, 216-Z-4 Crib	Active		RL-ER02	RL-ER02
216-Z-5, 231-W Sumps, 231-W-1 & 2 Cribs	Active		RL-ER02	RL-ER02
216-Z-6, 231-W-4 Crib, 231-Z-6, 216-W-4, 231-W "Trench" Crib, 216-Z-4, 216-Z-6 & 6A Crib	Active		RL-ER02	RL-ER02
216-Z-8, 234-5 Recuplex French Drain, 216-Z-9, 216-Z-8 Crib	Active		RL-ER02	RL-ER02
231-W-151, 231-W-151 Vault, 231-W-151-001 (Tank), 231-W-151-002 (Tank), 231-W-151 Sump, 231-Z-151 Sump	Active		RL-TW03	RL-ER02
241-Z-8, 241-Z-TK-8, Silica Slurry Tank, 216-Z-8	Active		RL-TW03	RL-ER02
UPR-200-W-130, Line Leak at 231-W-151 Sump, UN-200-W-130	Active		RL-TW03	RL-ER02
UPR-200-W-124, Dike Break at the REDOX Pond, UN-200-W-124	Active		RL-ER02	RL-ER02
200-W-17, S-Plant Project W-087 Aluminum Silicate Discovery	Active		RL-ER02	RL-ER02
200-W-18, S-Plant Project W-087 Aluminum Oxide Discovery	Active		RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
203-S, 205-S Uranyl Nitrate Hexahydrate Processing Facility, 203-S Uranyl Nitrate Hexahydrate Tank Farm, 204-S Tank Farm & Pumphouse, 205-S Process Vault & Chemical Makeup Building	Active		RL-ER02	RL-ER02
276-S, 276-S Solvent Handling Facility, 276-S Solvent Facility	Active		RL-ER02	RL-ER02
2904-SA, 2904-SA Cooling Water Sampler Building, 2904-SA Sample Building	Active		RL-ER02	RL-ER02
296-S-12, 296-S-12 Stacks	Active		RL-ER02	RL-ER02
UPR-200-W-20, UN-200-W-20	Active		RL-TW03	RL-ER02
200-W-15, S-Plant Project W-087 Hexone Discovery	Active		RL-ER02	RL-ER02
200-W-43, 291-S Stack Sand Filter	Active		RL-ER02	RL-ER02
202-S, 202-S REDOX, S Plant	Active		RL-ER02	RL-ER02
219-S-101, 219-S-TK-101, TK-101 Crib Waste Receiver, 219-S, TK-101 Receiver Tank	Active	RL-WM06	RL-ER02	RL-ER02
219-S-102, 219-S-TK-102, 219-S Storage Tank 102, 219-S Primary Treatment Tank TK-102	Active	RL-WM06	RL-ER02	RL-ER02
219-S-103, 219-S-TK-103, 219-S Storage Tank 103, 219-S Backup Treatment Tank TK-103	Active	RL-WM06	RL-ER02	RL-ER02
222-SD, 222-S Laboratories Storage Pad, 222-SD, 222-S Storage Pad	Active	RL-WM06	RL-ER02	RL-ER02
233-S, 233-S Plutonium Concentration Facility	Active			RL-ER02
233-SA, 233-SA Exhaust Filter Building	Rejected(Proposed)			RL-ER02
2711-S, 2711-S Stack Monitoring Building	Active			RL-ER02
2718-S, 2718-S Sand Filter Monitor, 2718-S Sand Filter Sampler, 2718-S Filter Monitoring Building	Active		RL-ER02	RL-ER02
2727-S, 2727-S Nonradioactive Dangerous Waste Storage Facility, 2727-S NRDWS Facility	Closed Out	RL-TP13		RL-ER02
291-S, 291-S Fan Control Building, 291-S Fan House, 291-S Fan and Filter Building	Rejected(Proposed)			RL-ER02
291-S-1, 291-S-1 Stack, REDOX Process and Canyon Exhaust	Rejected(Proposed)			RL-ER02
292-S, 292-S Fan and Filter Building	Active		RL-ER02	RL-ER02
293-S, 293-S Offgas Treatment Facility, 293-S Off Gas Treatment, 293-S Off-Gas Treatment and Recovery	Active		RL-ER02	RL-ER02
296-S-1, 296-S-1 Stack	Active		RL-ER02	RL-ER02
296-S-13	Active	RL-WM06	RL-ER02	RL-ER02
296-S-16	Active	RL-WM06	RL-ER02	RL-ER02
296-S-2, REDOX North Sample Gallery, Hoods Ventilation and PR Cage, 296-S-2 Stack	Active			RL-ER02
296-S-21	Active	RL-WM06	RL-ER02	RL-ER02
296-S-4, REDOX Decontamination Room, Regulated Shop, Regulated Tool Room, Low-Level Decontamination Sink and Special Work Permit Lobby Vent	Rejected(Proposed)			RL-ER02
296-S-6, 296-S-6 Stack, REDOX Silo Ventilation	Rejected(Proposed)			RL-ER02
296-S-7, 296-S-7E, 296-S-7W, REDOX Product Building (233-S) Ventilation, Dual Stacks, 296-S-7 East and West Stacks	Rejected(Proposed)			RL-ER02
200-W-51, Septic Tank (Abandoned)	Active	RL-TW03	RL-TW03	RL-TW03
216-S-15, 216-S-2, 241-S-110 Pond, 110-S Tank Overflow, UN-216-W-3	Active			RL-ER02
216-S-3, 216-S-5, 216-S-3 Crib	Active		RL-ER02	RL-ER02
241-SX-401, 241-SX-401 Condenser Shielding Building, 241-SX-401 Waste Disposal Condenser House	Active			RL-ER02
241-SX-402, 241-SX-402 Condenser Shielding Building, 241-SX-402 Waste Disposal Condenser House	Active			RL-ER02
241-SY-101, 241-SY-TK-101	Active	RL-TW03	RL-TW03	RL-TW04
241-SY-102, 241-SY-TK-102	Active	RL-TW03	RL-TW03	RL-TW04
241-SY-103, 241-SY-TK-103	Active	RL-TW03	RL-TW03	RL-TW04
241-SY-B, 241-SY-B Diversion Box, 241-SY-B Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
242-S, 242-S Evaporator	Active	RL-TW03	RL-TW03	RL-TW03
244-S DCRT, 244-S Double-Contained Receiver Tank, 244-S RT, 244-S Receiver Tank, 244-S Catch Station, 244-S-TK/SMP	Active	RL-TW03	RL-TW03	RL-ER02
UPR-200-W-140	Active		RL-TW03	RL-TW03
UPR-200-W-141	Active		RL-TW03	RL-TW03
UPR-200-W-142	Active		RL-TW03	RL-TW03
UPR-200-W-143	Active		RL-TW03	RL-TW03
UPR-200-W-144	Active		RL-TW03	RL-TW03
UPR-200-W-145	Active		RL-TW03	RL-TW03

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-W-146	Active		RL-TW03	RL-TW03
UPR-200-W-50, UN-200-W-50	Active		RL-TW03	RL-TW03
UPR-200-W-80, UN-200-W-80	Active		RL-TW03	RL-TW03
UPR-200-W-81, UN-200-W-81	Active		RL-TW03	RL-TW03
UPR-200-W-82, UN-200-W-82	Active		RL-TW03	RL-TW03
200-SC-1	Active		RL-ER02	RL-ER02
207-A-NORTH, 207-A, 207-A Retention Basin, 207-A-NORTH Retention Basin, 207-A North	Active	RL-WM05	RL-ER02	RL-ER02
207-Z, 207-Z Retention Basin, 241-Z Retention Basin, 241-Z-RB	Active	RL-TP05	RL-ER02	RL-ER02
216-A-30, 216-A-30 Crib	Active		RL-TW03	RL-ER02
216-A-37-2, 216-A-37-2 Crib	Active		RL-TW03	RL-ER02
216-A-6, 216-A-6 Cavern	Active		RL-ER02	RL-ER02
216-B-55, 216-B-55 Enclosed Trench, 216-B-55 Crib	Active		RL-TW03	RL-ER02
216-B-64, 216-B-64 Retention Basin, 216-B-64 Trench, 216-B-64 Crib	Active	RL-TP01	RL-ER02	RL-ER02
216-S-25, 216-S-25 Crib	Active		RL-TW03	RL-ER02
216-S-5, 216-S-5 Cavern #1, 216-S-6 Crib, 216-S-9	Active		RL-ER02	RL-ER02
216-S-6, 216-S-6 Cavern #2, 216-S-5 Crib, 216-S-13 Crib	Active		RL-ER02	RL-ER02
216-T-36	Active		RL-ER02	RL-ER02
UPR-200-E-19, Contamination Release at 216-A-6 Sampler, UN-200-E-19	Active		RL-ER02	RL-ER02
UPR-200-E-21, 216-A-6 Overflow, UN-200-E-21	Active		RL-ER02	RL-ER02
UPR-200-E-29, 216-A-6 Overflow, UN-200-E-29	Active		RL-ER02	RL-ER02
200-E-41, Stabilized Hot Semiworks Area, UN-216-E-38	Active		RL-ER02	RL-ER02
201-C, 201-C Process Building	Active		RL-ER02	RL-ER02
215-C, 215-C Gas Preparation Building	Rejected(Proposed)			RL-ER02
291-C, 291-C Filter/Fan House, 291-C Fan and Filter Building	Active		RL-ER02	RL-ER02
200-E-46, RCRA Permit General Inspection #200EFY96 Item #3	Active	RL-TP13	RL-ER02	RL-ER02
2703-E HWSA, 2703-E Hazardous Waste Storage Area	Active		RL-ER02	RL-ER02
2704-E HWSA, 2704-E Hazardous Waste Storage Area	Active	RL-TP13	RL-ER02	RL-ER02
2715-EA HWSA, 2715-EA Hazardous Waste Storage Area, 2715-EA Paint Spray Booth Annex	Active		RL-ER02	RL-ER02
200-ST-1	Active		RL-ER02	RL-ER02
200-E-24, 6607-11, 2704-HV Septic System	Active	RL-TW03	RL-TW03	RL-ER02
200-E-5, 2607-E2, 2607-E2 Septic Tank & Tile Field	Active	RL-TP13	RL-ER02	RL-ER02
200-E-6, Septic Tank, Sanitary Sewer Repair and Replacement 2607-E4	Active	RL-TP01	RL-ER02	RL-ER02
200-E-7, 2607-EO Septic Tank & Tile Field	Active	RL-TP13	RL-ER02	RL-ER02
200-E-9, 2607-EN, 2727-E Septic System, 2607-EN Septic Tank/Pump Station	Active	RL-TP13	RL-ER02	RL-ER02
2607-E1	Active	RL-TP13	RL-ER02	RL-ER02
2607-E11	Active	RL-TP13	RL-ER02	RL-ER02
2607-E12, 2607-E12 Septic System	Active	RL-TW03	RL-TW03	RL-ER02
2607-E3	Active	RL-TP01	RL-ER02	RL-ER02
2607-E4	Active	RL-TP01	RL-ER02	RL-ER02
2607-E5	Active	RL-TW03	RL-TW03	RL-ER02
2607-E6	Active	RL-TP13	RL-ER02	RL-ER02
2607-E7A, 2607-E7	Active	RL-TW03	RL-TW03	RL-ER02
2607-E7B, 2607-E	Active	RL-TW03	RL-TW03	RL-ER02
2607-E8	Active	RL-TP13	RL-ER02	RL-ER02
2607-E9	Active	RL-TP01	RL-ER02	RL-ER02
2607-EA, 2607-EA Septic Tank and Drywell	Active	RL-TP03	RL-ER02	RL-ER02
2607-EC	Active	RL-TW03	RL-TW03	RL-ER02
2607-EE, 2607-EL	Active	RL-TP03	RL-ER02	RL-ER02
2607-EH	Active		RL-ER02	RL-ER02
2607-EK	Active	RL-TP13	RL-ER02	RL-ER02
2607-EL, 2607-EL Septic Tank/Pump Station	Active	RL-TP13	RL-ER02	RL-ER02
2607-EM	Active	RL-TP13	RL-ER02	RL-ER02
2607-EP	Active	RL-TP13	RL-ER02	RL-ER02
2607-EQ	Active	RL-TP13	RL-ER02	RL-ER02
2607-ER	Active	RL-TP13	RL-ER02	RL-ER02
2607-FSM, 609 Building Septic Tank 2607-FSM, 100 Area Fire Station Septic Tank, 1607-FSM, 6607-FSM	Active	RL-TP13	RL-ER02	RL-ER02
2607-FSN, 609A Building Septic Tank 2607-FSN	Active	RL-TP13	RL-ER02	RL-ER02
2607-GF	Active		RL-ER02	RL-ER02
2607-N	Active		RL-ER02	RL-ER02
2607-P	Active		RL-ER02	RL-ER02
2607-R	Active		RL-ER02	RL-ER02
2607-W1	Active	RL-TP13	RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
2607-W2	Active	RL-TP13	RL-ER02	RL-ER02
2607-W3	Active	RL-WM04	RL-ER02	RL-ER02
2607-W4, T Plant Septic Tank and Drain Field	Active	RL-WM04	RL-ER02	RL-ER02
2607-W5	Active		RL-ER02	RL-ER02
2607-W6	Active	RL-WM06	RL-ER02	RL-ER02
2607-W7	Active		RL-ER02	RL-ER02
2607-W8	Active	RL-TP03	RL-TP10	RL-ER02
2607-W9	Active	RL-TW03	RL-TW03	RL-ER02
2607-WA	Active	RL-TP05	RL-ER02	RL-ER02
2607-WC, 2607-WC Septic System	Active	RL-TW03	RL-TW03	RL-ER02
2607-WL, 2607-WL Septic System	Active	RL-TW03	RL-TW03	RL-ER02
2607-WWA	Active		RL-ER02	RL-ER02
2607-WZ	Active		RL-ER02	RL-ER02
2607-Z	Active	RL-TP05	RL-ER02	RL-ER02
2607-Z1, Septic Tank and Drainfield	Active	RL-TP05	RL-ER02	RL-ER02
2607-Z8	Active	RL-TP05	RL-ER02	RL-ER02
600 ESST, 600 Area Exploratory Shaft Septic Tank, Septic Tank - Exploratory Shaft	Active		RL-ER02	RL-ER02
600 NSTFST, 600 Area Near Surface Test Facility Septic Tank, Septic Tank, Near Surface Test Facility	Active		RL-ER02	RL-ER02
622-R ST, 622-R Septic Tank, 622-R Atmospheric Physics Laboratory Septic Tank	Active		RL-ER02	RL-ER02
6607-1, H-40 Gun Site Septic Tank	Active		RL-ER02	RL-ER02
6607-2, Gun Site H-42 Septic Tank	Active		RL-ER02	RL-ER02
6607-3, Anti-Aircraft Artillery Site H-51 Septic Tank	Active		RL-ER02	RL-ER02
6607-5	Active	RL-WM03	RL-ER02	RL-ER02
TFS OF 218-E-4, Tile Field South of 218-E-4	Active	RL-TP01	RL-ER02	RL-ER02
200-SW-1	Active		RL-ER02	RL-ER02
200 CP, 200 Area Construction Pit, 200 Area Construction Waste Site, Hanford Site Gravel Pit #29	Active		RL-ER02	RL-ER02
200-E BP, 200-E Burning Pit, 200 East Burning Pit	Active		RL-ER02	RL-ER02
200-E PAP, 200-E Powerhouse Ash Pit	Active	RL-TP13	RL-ER02	RL-ER02
200-E-1, 284E Inert Landfill	Active	RL-TP13	RL-ER02	RL-ER02
200-E-10, Paint Dump Near Sub Trenches	Active		RL-ER02	RL-ER02
200-E-12, Sand Piles from RCRA General Inspection 200EFY95 Item #5	Active	RL-TP13	RL-ER02	RL-ER02
200-E-13, Rubble Piles from RCRA General Inspection #200EFY95 Item #7	Active	RL-TP13	RL-ER02	RL-ER02
200-E-2, 2101-M SW Parking Lot, MO-234 parking Lot	Active	RL-TP13	RL-ER02	RL-ER02
200-N-3, Ballast Pits	Active	RL-TP13	RL-ER02	RL-ER02
200-W ADB, 200-W Ash Disposal Basin	Active	RL-TP13	RL-ER02	RL-ER02
200-W BP, 200-W Burning Pit	Active		RL-ER02	RL-ER02
200-W CSLA, 200-W Construction Surface Laydown Area, Non-Rad Burial Ground, Construction Surface Laydown Area	Active		RL-ER02	RL-ER02
200-W PAP, 200-W Powerhouse Ash Pit	Active	RL-TP13	RL-ER02	RL-ER02
200-W-1, REDOX Mud Pit West	Active		RL-ER02	RL-ER02
200-W-10, Item 10 (RCRA General Inspection), Grout Wall Test	Active	RL-TW03	RL-TW03	RL-ER02
200-W-11, Concrete Foundation South of 241-S, S-Farm Foundation and Dump Site	Active	RL-TP13	RL-ER02	RL-ER02
200-W-2, REDOX Berms West	Active		RL-ER02	RL-ER02
200-W-3, 2713-W North Parking Lot, 220-W-1	Active	RL-TP13	RL-ER02	RL-ER02
200-W-6, 200-W Painter Shop paint solvent disposal area	Active	RL-TP13	RL-ER02	RL-ER02
218-E-6, B Stack Shack Burning Pit, Buried Contamination	Rejected(Proposed)			RL-ER02
218-W-6	Active	RL-WM03	RL-ER02	RL-ER02
600 BPHWSA, 600 Area Batch Plant HWSA, Hazardous Waste Storage Area (Batch Plant)	Active	RL-TP13	RL-ER02	RL-ER02
600 CL, 600 Area Central Landfill, Central Landfill, Central Waste Landfill, CWL, Solid Waste Landfill, SWL	Active	RL-TP13	RL-ER02	RL-ER02
600 ESHWSA, 600 Area Exploratory Shaft HWSA, 600 Area Exploratory Shaft Hazardous Waste Storage Area, Hazardous Waste Storage Area (Exploratory Shaft)	Active		RL-ER02	RL-ER02
600 NRDWL, 600 Area Nonradioactive Dangerous Waste Landfill, NRDW Landfill, Nonradioactive Dangerous Waste Landfill (Central Landfill), NRDWL	Active		RL-ER02	RL-ER02
600 OCL, 600 Area Original Central Landfill, Original CLF	Active		RL-ER02	RL-ER02
600-38, Railroad Siding "Susie", 600-25, Susie Junction	Active	RL-TP13	RL-ER02	RL-ER02
600-40, West of West Lake Dumping Area	Active	RL-TP13	RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
600-51, Chemical Dump	Active	RL-TP13	RL-ER02	RL-ER02
600-70, Solid Waste Management Unit (SWMU) #2 - Miscellaneous Solid Waste	Active		RL-ER02	RL-ER02
622-1	Rejected(Proposed)			RL-ER02
628-2, 100 Area Fire Station Burn Pit	Active	RL-TP13	RL-ER02	RL-ER02
OCSA, Old Central Shop Area, Central Shop Area	Active	RL-TP13	RL-ER02	RL-ER02
UPR-200-E-106, Contamination at a Burning Ground, UN-200-E-106	Active		RL-ER02	RL-ER02
UPR-200-W-37, Contaminated Boxes Found at 200 West Burning Ground	Active		RL-ER02	RL-ER02
UPR-200-W-70, Contamination Found at the 200 West Burning Ground	Active		RL-ER02	RL-ER02
Z PLANT BP, Z Plant Burning Pit	Active		RL-ER02	RL-ER02
200-SW-2	Active		RL-ER02	RL-ER02
200-W-5, Burial Ground/Burning Pit, U Plant Burning Pit, UPR-200-W-8	Active		RL-ER02	RL-ER02
218-C-9, Dry Waste No.0C9, 218-C-9 Burial Ground	Active		RL-ER02	RL-ER02
218-E-1, 200 East Dry Waste No. 001	Active		RL-ER02	RL-ER02
218-E-10, 200 East Industrial Waste No. 10, Equipment Burial Ground #10	Active	RL-WM03	RL-ER02	RL-ER02
218-E-12A, 200 East Dry Waste No. 12A	Active		RL-ER02	RL-ER02
218-E-12B, 200 East Dry Waste No. 12B, 218-E-12B Burial Ground - Trench 94	Active	RL-WM03	RL-ER02	RL-ER02
218-E-2, 200 East Industrial Waste No. 002, Equipment Burial Ground #2	Active		RL-ER02	RL-ER02
218-E-2A, Regulated Equipment Storage Site No. 02A, Burial Trench	Active		RL-ER02	RL-ER02
218-E-3, Construction Scrap Pit	Rejected(Proposed)			RL-ER02
218-E-4, 200 East Minor Construction No. 4, Equipment Burial Ground #4	Active		RL-ER02	RL-ER02
218-E-5, 200 East Industrial Waste No. 05, Equipment Burial Ground #5	Active		RL-ER02	RL-ER02
218-E-5A, 200 East Industrial Waste No. 005A, Equipment Burial Ground #5A	Active		RL-ER02	RL-ER02
218-E-7, 200 East 222-B Vaults	Active		RL-ER02	RL-ER02
218-E-8, 200 East Construction Burial Grounds	Active		RL-ER02	RL-ER02
218-E-9, 200 East Regulated Equipment Storage Site No. 009, Burial Vault (HISS)	Active		RL-ER02	RL-ER02
218-W-1, 200-W Area Dry Waste No. 001, Soilid Waste Burial Ground #1	Active		RL-ER02	RL-ER02
218-W-11, Regulated Storage Site	Active		RL-ER02	RL-ER02
218-W-1A, 200-W Area Industrial Waste Burial Ground #1, Equipment Burial Ground #1	Active		RL-ER02	RL-ER02
218-W-2, 200-W Area Dry Waste No. 002, Dry Waste Burial Ground No. 2	Active		RL-ER02	RL-ER02
218-W-2A, Industrial Waste No. 002, Equipment Burial Ground #2	Active		RL-ER02	RL-ER02
218-W-3, Dry Waste No. 003	Active		RL-ER02	RL-ER02
218-W-3A, Dry Waste No. 003A	Active	RL-WM03	RL-ER02	RL-ER02
218-W-3AE, Industrial Waste No. 3AE, Dry Waste No. 3AE	Active	RL-WM03	RL-ER02	RL-ER02
218-W-3B, (Low-Level Waste Burial Grounds)	Active	RL-WM03	RL-ER02	RL-ER02
218-W-4A, Dry Waste No. 04A	Active		RL-ER02	RL-ER02
218-W-4B, Dry Waste No. 04B	Active	RL-WM03	RL-ER02	RL-ER02
218-W-4C, Dry Waste No. 004C	Active	RL-WM03	RL-ER02	RL-ER02
218-W-5, Dry Waste Burial Ground, Low-Level Radioactive Mixed Waste Burial Grounds	Active	RL-WM03	RL-ER02	RL-ER02
218-W-7, 222-S Vault	Active		RL-ER02	RL-ER02
218-W-8, 222-T Vault	Active		RL-ER02	RL-ER02
218-W-9, Dry Waste Burial Ground No. 9, Non-TRU Dry Waste No. 009	Active		RL-ER02	RL-ER02
291-C-1, 291-C-1 Stack, 291-C Stack Burial Trench	Active		RL-ER02	RL-ER02
600-25, Susie Junction	Active	RL-TP13	RL-ER02	RL-ER02
UPR-200-E-24, Contamination Plume from the 218-E-10 Burial Ground, UN-200-E-24	Active		RL-ER02	RL-ER02
UPR-200-E-30, Contamination Within 218-E-12A, UN-200-E-30	Active		RL-ER02	RL-ER02
UPR-200-E-35, Buried Contamianted Pipe, UN-218-E-1, 218-E-13	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-53, UN-200-E-53, Contamination at 218-E-1	Active		RL-ER02	RL-ER02
UPR-200-E-95, UN-216-E-23, UN-200-E-95, Ground Contamination Around RR Spur Between 218-E-2A and 218-E-2	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-W-11, Burial Ground Fire, UN-200-W-11, UPR-200-W-16	Active		RL-ER02	RL-ER02
UPR-200-W-134, Improper Drum Burial	Active		RL-ER02	RL-ER02
UPR-200-W-137, 218-W-7, UN-200-W-137	Active		RL-ER02	RL-ER02
UPR-200-W-16, Fire at 218-W-1 Burial Ground	Active			RL-ER02
UPR-200-W-26, Contamination Spread During Burial Operation	Active		RL-ER02	RL-ER02
UPR-200-W-45, Burial Box Collapse	Active		RL-ER02	RL-ER02
UPR-200-W-53, Burial Box Collapse	Active		RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-W-63, Road Contamination along the South Shoulder of 23rd Street, UN-200-W-63	Active		RL-ER02	RL-ER02
UPR-200-W-72, Contamination at 218-W-4A	Active		RL-ER02	RL-ER02
UPR-200-W-8, UN-200-W-8, 200-W-5, Old Burial/Burning Pit, U-Plant Bruning Pit/Burial Ground	Active		RL-ER02	RL-ER02
UPR-200-W-84, Ground Contamination During Burial Operation	Active		RL-ER02	RL-ER02
200-W-55, Dumping Area North of 231-Z	Active	RL-TP13	RL-ER02	RL-ER02
200-W-63, Contaminated Concrete Pad	Active		RL-ER02	RL-ER02
200-W-13, 2713-WB Green Hut Complex	Active	RL-TW03	RL-TW03	RL-ER02
UPR-200-W-76, UN-200-W-76	Active		RL-TW03	RL-ER02
200-W-53, UPR-200-W-166, UN-216-W-31	Active	RL-TW03	RL-TW03	RL-ER02
200-W-20, 2706-T Railroad Pit Sump, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
200-W-21, 204-T Unloading Station, T-Plant Waste Railcar Unloading Facility	Active		RL-ER02	RL-ER02
200-W-36,TK-SQ-143, EP 211-143	Active	RL-WM04	RL-ER02	RL-ER02
200-W-40, 292-T, Emission Control Lab, Stack Gas Sampling Building	Active	RL-WM04	RL-ER02	RL-ER02
200-W-41, Abandoned Drums	Active		RL-ER02	RL-ER02
200-W-45, 291-T Sand Filter, T Plant Stack Sand Filter	Active	RL-WM04	RL-ER02	RL-ER02
221-T CSTF, 221-T Containment System Test Facility, T Plant Laboratory, 221-T Head End	Closed Out		RL-TP11	RL-ER02
221-T-11-R, 221-T-TK-11-R, Tank 11-R 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
221-T-15-1, 221-T-TK-15-1, Tank 15-1 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
221-T-5-6, 221-T-TK-5-6, Tank 5-6 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
221-T-5-7, 221-T-TK-5-7, Tank 5-7 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
221-T-5-9, 221-T-TK-5-9, Tank 5-9 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
221-T-6-1, 221-T-TK-6-1, Tank 6-1 221-T System, T Plant Complex	Active	RL-WM04	RL-ER02	RL-ER02
242-T, 241-T-Evaporator	Active	RL-TW03	RL-TW03	RL-TW03
242-T-151, 242-T-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW03
2607-WT	Active	RL-TW03	RL-TW03	RL-TW03
2607-WTX	Active	RL-TW03	RL-TW03	RL-TW03
UPR-200-W-100, UN-216-W-8, 105-TX to 118-TX Process Line Leak, UN-200-W-100	Active		RL-TW03	RL-TW03
UPR-200-W-12	Active		RL-TW03	RL-TW03
UPR-200-W-126	Active		RL-TW03	RL-TW03
UPR-200-W-129	Active		RL-TW03	RL-TW03
UPR-200-W-149	Active		RL-TW03	RL-TW03
UPR-200-W-150	Active		RL-TW03	RL-TW03
UPR-200-W-151	Active		RL-TW03	RL-TW03
UPR-200-W-152	Active		RL-TW03	RL-TW03
UPR-200-W-153	Active		RL-TW03	RL-TW03
UPR-200-W-17, UN-200-W-17	Active		RL-TW03	RL-TW03
200-W-52, 216-T-7 Crib, 241-T-3 Crib	Active	RL-TW03	RL-TW03	RL-TW03
241-T-152, 241-T-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
UPR-200-W-147	Active		RL-TW03	RL-TW03
UPR-200-W-148	Active		RL-TW03	RL-TW03
UPR-200-W-62, UN-200-W-62	Active		RL-TW03	RL-TW03
UPR-200-W-7, Contamination Spread from the 241-T-151 and 241-T-152 Diversion Boxes, UN-200-W-7	Active		RL-TW03	RL-TW03
200-TW-1	Active		RL-ER02	RL-ER02
200-E-14, 216-BC-201 Siphon Tank, 216-B-201	Active		RL-ER02	RL-ER02
216-B-14, 216-BC-1 Crib	Active		RL-ER02	RL-ER02
216-B-15, 216-BC-2 Crib	Active		RL-ER02	RL-ER02
216-B-16, 216-BC-3 Crib	Active		RL-ER02	RL-ER02
216-B-17, 216-BC-4 Crib	Active		RL-ER02	RL-ER02
216-B-18, 216-BC-5 Crib	Active		RL-ER02	RL-ER02
216-B-19, 216-BC-6 Crib	Active		RL-ER02	RL-ER02
216-B-20, 216-BC-7 Trench, 216-B-20 Trench	Active		RL-ER02	RL-ER02
216-B-21, 216-BC-8 Trench, 216-B-21 Trench	Active		RL-ER02	RL-ER02
216-B-22, 216-BC-9 Trench, 216-B-22 Trench	Active		RL-ER02	RL-ER02
216-B-23, 216-BC-10 Trench, 216-B-23 Trench	Active		RL-ER02	RL-ER02
216-B-24, 216-BC-11 Trench, 216-B-24 Trench	Active		RL-ER02	RL-ER02
216-B-25, 216-BC-12 Trench, 216-B-25 Trench	Active		RL-ER02	RL-ER02
216-B-26, 216-BC-13 Trench, 216-B-26 Trench	Active		RL-ER02	RL-ER02
216-B-27, 216-BC-14 Trench, 216-B-27 Trench	Active		RL-ER02	RL-ER02
216-B-28, 216-BC-15 Trench, 216-B-28 Trench	Active		RL-ER02	RL-ER02
216-B-29, 216-BC-16 Trench	Active		RL-ER02	RL-ER02
216-B-30, 216-BC-17 Trench, 216-B-30 Trench	Active		RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
216-B-31, 216-BC-18 Trench, 216-B-31 Trench	Active		RL-ER02	RL-ER02
216-B-32, 216-BC-19 Trench, 216-B-32 Trench	Active		RL-ER02	RL-ER02
216-B-33, 216-BC-20 Trench, 216-B-33 Trench	Active		RL-ER02	RL-ER02
216-B-34, 216-BC-21 Trench	Active		RL-ER02	RL-ER02
216-B-42, 241-BX-8 Grave, 216-BX-8 Trench, 216-B-42 Trench	Active		RL-ER02	RL-ER02
216-B-43, 216-BY-1 Crib, 216-BY-1 Cavern	Active		RL-ER02	RL-ER02
216-B-44, 216-BY-2 Crib, 216-BY-2 Cavern	Active		RL-ER02	RL-ER02
216-B-45, 216-BY-3 Crib, 216-BY-3 Cavern	Active		RL-ER02	RL-ER02
216-B-46, 216-BY-4 Crib, 216-BY-4 Cavern	Active		RL-ER02	RL-ER02
216-B-47, 216-BY-5 Crib, 216-BY-5 Cavern	Active		RL-ER02	RL-ER02
216-B-48, 216-BY-6 Crib, 216-BY-6 Cavern	Active		RL-ER02	RL-ER02
216-B-49, 216-BY-7 Crib, 216-BY-7 Cavern	Active		RL-ER02	RL-ER02
216-B-51, 216-BY-9 Crib	Active		RL-ER02	RL-ER02
216-B-52, 216-B-52 Trench	Active		RL-ER02	RL-ER02
216-T-18, Test Crib for 221-T Building, Scavenged TBP Waste, 216-T-17, 241-T-17 Crib	Active		RL-ER02	RL-ER02
216-T-26, 216-TY-1 Cavern, 216-TY-1 Crib, 241-TX-1 Cavern, 216-TX-1 Crib	Active		RL-ER02	RL-ER02
UPR-200-E-9, Liquid Overflow at 241-BY-201, UN-200-E-9	Active		RL-ER02	RL-ER02
200-TW-2	Active		RL-ER02	RL-ER02
216-B-35, 241-BX-1 Grave, 216-BX-1 Trench, 216-B-35 Trench	Active		RL-ER02	RL-ER02
216-B-36, 241-BX-2 Grave, 216-BX-2 Trench, 216-B-36 Trench	Active		RL-ER02	RL-ER02
216-B-37, 241-BX-3 Grave, 216-BX-3 Trench, 216-B-37 Trench	Active		RL-ER02	RL-ER02
216-B-38, 241-BX-4 Grave, 216-BX-4 Trench, 216-B-38 Trench	Active		RL-ER02	RL-ER02
216-B-39, 241-BX-5 Grave, 216-BX-5 Trench, 216-B-39 Trench	Active		RL-ER02	RL-ER02
216-B-40, 241-BX-6 Grave, 241-BX-6 Trench, 216-B-40 Trench, 216-BX-6 Trench	Active		RL-ER02	RL-ER02
216-B-41, 241-BX-7 Grave, 216-BX-7 Trench, 216-B-41 Trench	Active		RL-ER02	RL-ER02
216-B-5, 241-B-361 Reverse Well, 241-B-361 Dry Well, 241-B-5 Dry Well	Active		RL-ER02	RL-ER02
216-B-7A&B, 241-B-1 Crib, 216-B-7 Crib, 216-B-7A Sump, 216-B-7B Sump, 241-B-1 and 2 Cribs, 216-B-7A & B	Active		RL-ER02	RL-ER02
216-B-8, 241-B-3 Crib, 216-B-8, 216-B-8TF	Active		RL-ER02	RL-ER02
216-B-9, 241-B-361 Crib, 216-B-361 Crib, 216-B-9TF	Active		RL-ER02	RL-ER02
216-T-14, 241-T-1 Trench, 216-T-1 Grave, 216-T-13	Active		RL-ER02	RL-ER02
216-T-15, 241-T-2 Trench, 241-T-2 Grave, 216-T-14, 216-T-15 Crib	Active		RL-ER02	RL-ER02
216-T-16, 241-T-3 Trench, 241-T-3 Grave, 216-T-15, 216-T-16 Crib	Active		RL-ER02	RL-ER02
216-T-17, 241-T-4 Trench, 216-T-4 Grave, 216-T-16	Active		RL-ER02	RL-ER02
216-T-21, 241-TX-1 Trench, 216-TX-1 Grave, 216-TX-3	Active		RL-ER02	RL-ER02
216-T-22, 241-TX-2 Trench, 216-TX-2 Grave, 216-TX-4	Active		RL-ER02	RL-ER02
216-T-23, 241-TX-3 Trench, 216-TX-3 Grave, 216-TX-5, 241-TX-3 Grave	Active		RL-ER02	RL-ER02
216-T-24, 241-TX-4 Trench, 216-TX-4 Grave, 216-TX-6	Active		RL-ER02	RL-ER02
216-T-25, 241-TX-5 Trench, 216-TX-5 Grave, 216-TX-7	Active		RL-ER02	RL-ER02
216-T-3, 241-T-361-A Dry Well or Reverse Well, 361-T Reverse Well	Active		RL-ER02	RL-ER02
216-T-32, 241-T #1 & 2 Cribs, 216-T-6	Active		RL-TW03	RL-ER02
216-T-5, 216-T-5 Grave, 216-T-12, 216-T-5 Trench, 241-T-5 Trench	Active		RL-ER02	RL-ER02
216-T-6, 241-T-361 (1&2 Cribs), 216-T-5, 361-T-1&2 Cribs	Active		RL-ER02	RL-ER02
216-T-7, 216-T-7TF, 216-T-7 Tile Field, 241-T-3 Tile Field	Active		RL-ER02	RL-ER02
241-B-361, 241-B-361 Settling Tank	Active		RL-ER02	RL-ER02
UPR-200-E-7, UN-200-E-7, Cave-In Near 219-B-9 (241-B-361 Crib)	Active	RL-TP01	RL-ER02	RL-ER02
200-W-42, U Plant Radioactive Process Sewer from 221-U to 216-U-8 & 216-U-12 Cribs	Active		RL-ER02	RL-ER02
200-W-44, 291-U Stack Sand Filter	Active		RL-ER02	RL-ER02
200-W-56, Debris North of 221-U	Active	RL-TP13	RL-ER02	RL-ER02
221-U, 221-U Canyon Building, 221-U Building	Active		RL-ER02	RL-ER02
224-U CNT, 224-U Condensate Neutralization Tank, 224-U Process Condensate Neutralization Tank, Process Condensate Elementary Neutralization Unit, Tank TK-C-5, 224-U-TK-C-5	Active			RL-ER02
224-U HWSA, 224-U Hazardous Waste Storage Area	Active		RL-ER02	RL-ER02
271-U, 271-U Office Building, 271-U Building	Active		RL-ER02	RL-ER02
2727-WA, 2727-WA SRE Sodium Storage Building	Active	RL-TW03	RL-TW03	RL-ER02
276-U, 276-U Solvent Handling Facility, 276-U Solvent Facility, 276-U Solvent Recovery Facility	Active		RL-ER02	RL-ER02
291-U, 291-U Fan Control House	Rejected(Proposed)			RL-ER02
291-U-1, 291-U-1 Stack, 291-U Stack	Rejected(Proposed)			RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
296-U-10, 296-U-10 Stack	Active		RL-ER02	RL-ER02
241-U-153, 241-U-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-U-252, 241-U-252 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-U-301, 241-U-301B	Active	RL-TW03	RL-TW03	RL-TW04
241-U-A, 241-U-A Diversion Box, 241-U-A Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-U-B, 241-U-B Diversion Box, 241-U-B Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-U-C, 241-U-C Diversion Box, 241-U-C Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-U-D, 241-U-D Diversion Box, 241-U-D Valve Pit	Active	RL-TW03	RL-TW03	RL-TW04
241-UR-151, 241-UR-151 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-UR-152, 241-UR-152 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-UR-153, 241-UR-153 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
241-UR-154, 241-UR-154 Diversion Box	Active	RL-TW03	RL-TW03	RL-TW04
2607-WUT	Active	RL-TW03	RL-TW03	RL-TW03
UPR-200-W-128	Active		RL-TW03	RL-TW03
UPR-200-W-132, UN-200-W-132	Active		RL-TW03	RL-TW03
UPR-200-W-154	Active		RL-TW03	RL-TW03
UPR-200-W-155	Active		RL-TW03	RL-TW03
UPR-200-W-156	Active		RL-TW03	RL-TW03
UPR-200-W-157	Active		RL-TW03	RL-TW03
200-UR-1	Active		RL-ER02	RL-ER02
200-E-26, Heavy Equipment Storage Area, Diesel Fuel Contaminated Soil	Active	RL-TP13	RL-ER02	RL-ER02
200-W-9, W291 Excavation VCP Contamination	Active		RL-ER02	RL-ER02
UPR-200-E-10, Contaminated Purex Railroad Spur, UN-200-E-10	Active		RL-ER02	RL-ER02
UPR-200-E-103, UN-200-E-103, BCS Line Leak South of R-17 at 221-B	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-11, Railroad Track Contamination Spread, UN-200-E-11	Active		RL-ER02	RL-ER02
UPR-200-E-112, UN-200-E-112, Contaminated Railroad Track from B-Plant to the Burial Ground	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-114, 202-A Valve Pit, UN-200-E-114	Active		RL-ER02	RL-ER02
UPR-200-E-12, Contaminated Purex Railroad Spur, UN-200-E-12	Active		RL-ER02	RL-ER02
UPR-200-E-140, PCB Oil Spill at 211-B Bulk Chemical Storage Area, UN-200-E-140	Active		RL-ER02	RL-ER02
UPR-200-E-141, 2718-E Building Uranyl Nitrate Spill to Ground, UN-200-E-141	Rejected(Proposed)			RL-ER02
UPR-200-E-142, 202-A Diesel Fuel Spill, UN-200-E-142	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-E-143, Contamination Adjacent to 244-AR Lift Station, UN-216-E-43	Active		RL-TW03	RL-ER02
UPR-200-E-144, Soil Contamination North of 241-B, UN-216-E-44	Active		RL-TW03	RL-ER02
UPR-200-E-2, UN-200-E-2, Spotty Contamination Around the B and T Plant Stacks	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-20, Contaminated Purex Railroad Spur, UN-200-E-20	Active		RL-ER02	RL-ER02
UPR-200-E-22, 291-A-1 Stack Fallout Area, UN-200-E-22,	Active		RL-ER02	RL-ER02
UPR-200-E-28, Contamination Release Inside the PUREX Exclusion Area, UN-200-E-28	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-E-33, Contaminated Purex Railroad tracks, UN-200-E-33	Active		RL-ER02	RL-ER02
UPR-200-E-36, Road Contamination North of Semiworks, UN-200-E-36	Active		RL-ER02	RL-ER02
UPR-200-E-37, Contamination East of Hot Semi-Works, UN-200-E-37, UN-216-E-37	Active		RL-ER02	RL-ER02
UPR-200-E-49, Roadway Contamination, UN-200-E-49	Rejected(Proposed)			RL-ER02
UPR-200-E-50, Soil Contamination at the Overground Equipment Storage Yard, UN-200-E-50	Active		RL-ER02	RL-ER02
UPR-200-E-52, UN-200-E-52, Contamination Spread Outside the North Side of 221-B	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-54, UN-200-E-54, Contamination Outside 225-B Doorway	Active	RL-TP01	RL-TP02	RL-ER02
UPR-200-E-55, UN-200-E-55, Contamination Spread South of B Plant	Active	RL-TP01	RL-TP02	RL-ER02
UPR-200-E-58, Contaminated Tumbleweeds found on dirt road, UN-200-E-58	Active		RL-ER02	RL-ER02
UPR-200-E-62, Transportation spill near 200-E Burning Ground, UN-216-E-62, UN-200-E-62,	Rejected(Proposed)			RL-ER02
UPR-200-E-63, Radioactively Contaminated Tumbleweeds, UN-216-E-63, UN-200-E-63	Active		RL-ER02	RL-ER02
UPR-200-E-69, UN-216-E-69, Railroad Car Flush Water Radioactive Spill, UN-200-E-69	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-83, UN-216-E-11, BC Cribs Controlled Area, UN-200-E-83	Active		RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-E-88, TC-4 Spur Contaminated Railroad Track, UN-216-E-88, UN-216-E-16, UN-200-E-88. Ground Contamination Around the Western Purex Railroad Spur	Active		RL-ER02	RL-ER02
UPR-200-E-89, UN-216-E-17, UN-200-E-89, Contamination Migration to the North, East & West of BX-BY Tank Farms	Active		RL-ER02	RL-ER02
UPR-200-E-90, UN-216-E-18, Ground Contamination around B Plant Sand Filter, UN-216-E-90, Radioactive Spill Near 221-B Building, UN-200-E-90	Active	RL-TP01	RL-ER02	RL-ER02
UPR-200-E-92, 216-E-20, UN-216-E-20, UN-216-20, Ground Contamination Outside 200 East Fence, UN-200-E-92, UN-216-E-92	Rejected(Proposed)			RL-ER02
UPR-200-E-93, UN-216-E-21 Ground contamination along 200 East Area fence	Rejected(Proposed)			RL-ER02
UPR-200-E-97, PUREX Railroad Tunnel Contamination, UN-216-E-25, UN-200-E-97	Active	RL-TP03	RL-ER02	RL-ER02
UPR-200-E-98, UN-216-E-26, Ground Contamination East of C Plant, UN-200-E-98	Active		RL-ER02	RL-ER02
UPR-200-N-1, Unplanned release near 212-R railroad spur	Active	RL-TP13	RL-ER02	RL-ER02
UPR-200-N-2, 200-N-2, Unplanned release near Well Pumphouse No. 2	Active		RL-ER02	RL-ER02
UPR-200-W-101, UN-216-W-9, 221-U Acid Spill R-1 through R-5, UN-200-W-101	Active		RL-ER02	RL-ER02
UPR-200-W-116, UN-216-W-26, Ground Contamination North of 202-S, UN-200-W-116	Active		RL-ER02	RL-ER02
UPR-200-W-117, Railroad Track Contamination, UN-216-W-27, UN-200-W-117	Rejected(Proposed)			RL-ER02
UPR-200-W-118, Contamination at 211-U, UN-216-W-28, UN-200-W-118	Rejected(Proposed)			RL-ER02
UPR-200-W-123, 204-S Unloading Facility Frozen Discharge Line, UN-200-W-123	Active		RL-ER02	RL-ER02
UPR-200-W-127, Liquid Release from 242-S Evaporator to the Ground, UN-200-W-127	Active		RL-TW03	RL-ER02
UPR-200-W-14, Waste Line Leak at 242-T Evaporator, UN-200-W-14	Active		RL-TW03	RL-ER02
UPR-200-W-159, Caustic Spill at Plutonium Finishing Plant, UN-200-W-159	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-162, Contaminated Area on East Side of 221-U, UN-216-W-37	Active		RL-ER02	RL-ER02
UPR-200-W-165, Contamination Area East of 241-S, UN-216-W-30	Active		RL-ER02	RL-ER02
UPR-200-W-166, Contamination Migration from 241-T Tank Farm, UN-216-W-31	Active		RL-ER02	RL-ER02
UPR-200-W-23, Waste Box Fire at 234-5Z, UN-200-W-23	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-3, Railroad Contamination, UN-200-W-3	Active		RL-ER02	RL-ER02
UPR-200-W-39, UN-200-W-39, 224-U Buried Contamination	Active		RL-ER02	RL-ER02
UPR-200-W-4, Railroad Contamination, UN-200-W-4	Active		RL-ER02	RL-ER02
UPR-200-W-41, Railroad Contamination, UN-200-W-41	Active		RL-ER02	RL-ER02
UPR-200-W-42, Contamination found at 2706-S, UN-200-W-42	Active		RL-ER02	RL-ER02
UPR-200-W-43, Contaminated Blacktop East of 233-S, UN-200-W-43	Active		RL-ER02	RL-ER02
UPR-200-W-44, Railroad Track Contamination, UN-200-W-44	Active		RL-ER02	RL-ER02
UPR-200-W-46, Contamianted Railroad Track, UN-200-W-46	Active		RL-ER02	RL-ER02
UPR-200-W-48, Contaminated Railroad Track near 221-U, UN-200-W-48	Active		RL-ER02	RL-ER02
UPR-200-W-51, Release from 241-S Diversion Box, UN-200-W-51, UPR-200-W-52	Active		RL-TW03	RL-ER02
UPR-200-W-52, Release from 241-S Diversion Box, UN-200-W-52	Active		RL-TW03	RL-ER02
UPR-200-W-55, Uranium Powder Spill at 224-U, UN-200-W-55	Active		RL-ER02	RL-ER02
UPR-200-W-56, Contamination at the REDOX Column Carrier Trench, UN-200-W-56	Active		RL-ER02	RL-ER02
UPR-200-W-57, UPR-200-E-120 (misassignment of E-W area number), UN-200-W-57	Active		RL-ER02	RL-ER02
UPR-200-W-58, Railroad Track Contamination, UN-200-W-58	Active		RL-ER02	RL-ER02
UPR-200-W-60, Railroad Contamination, UN-200-W-60	Active		RL-ER02	RL-ER02
UPR-200-W-61, REDOX Ground Contamination, UN-200-W-61	Active		RL-ER02	RL-ER02
UPR-200-W-65, Contamination in the T-Plant Railroad Cut, UN-200-W-65	Active	RL-WM04	RL-ER02	RL-ER02
UPR-200-W-67, Contamiantion near 2706-T, UN-200-W-67	Active		RL-TW03	RL-ER02
UPR-200-W-68, Road Contamination, UN-200-W-68	Active		RL-ER02	RL-ER02
UPR-200-W-69, Railroad Contamination, UN-200-W-69	Active		RL-ER02	RL-ER02
UPR-200-W-73, Contaminated Railroad Track at 221-T, UN-200-W-73	Active	RL-WM04	RL-ER02	RL-ER02
UPR-200-W-74, Overground Line Leak at 241-Z, UN-200-W-74	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-75, Contamination Spread at 241-Z, UN-200-W-75	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-77, Contaminated Coyote Feces, UN-200-W-77	Rejected(Proposed)			RL-ER02
UPR-200-W-78, UO3 Powder Spill at 224-U, UN-200-W-78	Active		RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-200-W-83, Radioactive Spill Near 204-S Radiation Zone, UN-216-W-82, UN-200-W-83	Active		RL-ER02	RL-ER02
UPR-200-W-85, Radioactive Spill from Multipurpose Transfer Box, UN-216-W-85, UN-200-W-85	Active	RL-WM04	RL-ER02	RL-ER02
UPR-200-W-86, Contaminated Pigeon Feces at 221-U and 204-S, UN-200-W-86, UN-216-W-86	Active		RL-ER02	RL-ER02
UPR-200-W-87, UN-216-W-87, Radioactive Spill from Filter Housing, UN-200-W-87	Active	RL-WM06	RL-ER02	RL-ER02
UPR-200-W-88, Radioactive Spill from UNH Trailer, UN-216-W-88, UN-200-W-88	Rejected(Proposed)			RL-ER02
UPR-200-W-90, Radioactive Contamination South of 236-Z Building, UN-216-N-90, UN-200-W-90	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-91, Radioactive Contamination near 234-5Z Building, UN-216-W-91, UN-200-W-91	Active	RL-TP05	RL-ER02	RL-ER02
UPR-200-W-96, UN-216-W-4, 233-S Floor Overflow, 233-SA Floor Overflow	Active		RL-ER02	RL-ER02
UPR-200-W-99, UN-216-W-7, 153-TX Diversion Box Contamination Spread, UN-200-W-99	Active		RL-ER02	RL-ER02
UPR-600-12, UN-600-12, UNH Spill to Route 4S	Active		RL-ER02	RL-ER02
UPR-600-21, Contamination found Northeast of 200 East Area, UN-216-E-31	Rejected(Proposed)			RL-ER02
232-Z, 232-Z Waste Incineration Facility, 232-Z Incineration Facility, 232-Z Incinerator	Active		RL-ER02	RL-ER02
234-5Z HWSA, 234-5Z Hazardous Waste Storage Area	Active	RL-TP05	RL-ER02	RL-ER02
2607-WB, 2607-WB Septic System	Active	RL-TP05	RL-ER02	RL-ER02
200-W-33, Solid Waste Dumping Area	Active	RL-TP13	RL-ER02	RL-ER02
200-W-34, 272-WA Septic System North of 213W	Active	RL-TW03	RL-TW03	RL-TW03
213-W, 213-W Compactor Facility	Active	RL-TW03	RL-TW03	RL-ER02
213-W-1, 213-W-TK-1, 213-W Compactor Facility Retention Tank	Active	RL-TW03	RL-TW03	RL-ER02
RMWSF, Radioactive Mixed Waste Storage Facility, 2401W, 2401WB, -WC, -WD, -WE, -WF, -WG, -WH, -WI, -WJ, -WK, -WL, Hanford Central Waste Complex	Active	RL-WM03		RL-ER02
RMWSF, Radioactive Mixed Waste Storage Facility, 2401W, 2402WB, -WC, -WD, -WE, -WF, -WG, -WH, -WI, -WJ, -WK, -WL, Hanford Central Waste Complex, 2403WA, -WB, -WC, -WD, 2404WA, -WB, -WC	Active	RL-WM03	RL-ER02	RL-ER02
WRAP, Waste Receiving and Processing Facility	Active	RL-WM04	RL-ER02	RL-ER02
PFP	Active		RL-ER05 RL-TP05	RL-ER06 RL-ER07 RL-TP05
Tank Farm System	Active	RL-TW01 RL-TW02 RL-TW03 RL-TW04	RL-TW03	RL-TW04
CC Soil Site Operable Units	Active		RL-ER02	RL-ER02 RL-ER07
600-217, H-61-H Anti-Aircraft Artillery Site Sewer System	Active	RL-TP13	RL-ER02	RL-ER02
600-218, H-61-H Anti-Aircraft Artillery Site Dumping Area	Active	RL-TP13	RL-ER02	RL-ER02
600-224 Military Camp South of 200W, H-50 Gun Site Septic System	Active	RL-TP13	RL-ER02	RL-ER02
600-146, Steel Structure on Northwest Side of Gable Mountain	Active	RL-TP13	RL-ER02	RL-ER02
200-A TEDF, 200 Area Treated Effluent Disposal Facility, TEDF, 600-145, 216-E-43A and 216-E-43B	Active	RL-WM05	RL-ER02	RL-ER02
600-226, Gun Site H-42 Dumping Area	Active	RL-TP13	RL-ER02	RL-ER02
600-228, H-40 Gun Site Dumping Area	Active	RL-TP13	RL-ER02	RL-ER02
6607-16, Septic Tank, Project C-018H, ECN-C018H-040	Active	RL-WM05	RL-ER02	RL-ER02
241-EW-151, 241-EW-151 Vent Station Catch Tank, 241-EW-151 Vent Station, Vent Station, 200 Area East-West Vent Station	Active	RL-TW03	RL-TW03	RL-ER02
600-148, ERDF, Environmental Restoration Disposal Facility	Active		RL-ER02	RL-ER02
600-212, Relocatable Latrine Facility Holding Tank System	Active	RL-WM01	RL-ER02	RL-ER02
600-236, Soilcell 607 Site; Petroleum Contaminated Soil	Active	RL-TP13	RL-ER02	RL-ER02
600-37, Browns Wells, Johnson's Wells	Active		RL-ER02	RL-ER02
600-65, 607 Batch Plant Drum Site	Active	RL-TP13	RL-ER02	RL-ER02
600-66, 607 Batch Plant Orphan Drums	Active	RL-TP13	RL-ER02	RL-ER02
600-71, 607 Batch Plant Burn Pit	Active	RL-TP13	RL-ER02	RL-ER02
616, 616 Building Non-Radioactive Dangerous Waste Storage Facility, 616 Nonradioactive Dangerous Waste Storage	Active	RL-WM03	RL-ER02	RL-ER02

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
6607-9, Septic Tank 6607-9 Large On-Site Sewage System, Project W-011H	Active	RL-WM06	RL-ER02	RL-ER02
600-118, Hot Spot Northwest of Gable Mountain Pond, Contaminated Soil Northwest of Gable Mountain Pond	Active		RL-ER02	RL-ER02
600-187, West Lake Honey Dump Station	Active		RL-ER02	RL-ER02
600-237, Borrow Pits (2), Gable Pond (216-A-25) North and South Borrow Pits	Active	RL-TP13	RL-ER02	RL-ER02
212-N, 212-N Building, Metal and Fuel Storage Basin Facility, 212-N Fissile Storage Facility	Active		RL-ER02	RL-ER02
212-P, 212-P Building PCB Storage Facility, 212-P Storage Facility	Active		RL-ER02	RL-ER02
212-R, 212-R Storage Facility	Active		RL-ER02	RL-ER02
600-211, State Approved Land Disposal Site, SALDS, 616A	Active	RL-WM05	RL-ER02	RL-ER02
600-36, Railroad Siding "Ethel"	Active	RL-TP13	RL-ER02	RL-ER02
S600 Soil Site Operable Units	Active		RL-ER03 RL-ER05	RL-ER03 RL-ER07
1100-1, Battery Acid Pit, 1171 Building Sandpit Spills, UPR-1100-1	Deleted from NPL	RL-TP13	RL-ER03	
1100-11, Ephemeral Pool	Deleted from NPL	RL-TP13	RL-ER03	
1100-12 Dumping Areas		RL-TP13	RL-ER03	RL-ER03
1100-2, Paint and Solvent Pit, UPR-1100-2	Deleted from NPL	RL-TP13	RL-ER03	
1100-3, Antifreeze and Degreaser Pit, Antifreeze Pit, UPR-1100-3	Deleted from NPL	RL-TP13	RL-ER03	
1100-4, Antifreeze Tank Site, UN-1100-4, 1171 Building Spills, UPR-1100-4	Deleted from NPL	RL-TP13	RL-ER03	
600-2, Army Landfill	Active	RL-TP13	RL-ER03	RL-ER03
HRD, Horn Rapids Disposal, ITT Waste Disposal Landfill, Horn Rapid Landfill (HRL), Gravel Pit #4, Gravel Pit #5	Deleted from NPL		RL-ER03	
UPR-1100-5, UN-1100-5, 1171 Parking Lot	Deleted from NPL	RL-TP13	RL-ER03	
UPR-1100-6, Discolored Soil Site, UN-1100-6	Deleted from NPL	RL-TP13	RL-ER03	
1100 BSUHR, 1100 Area Bus Shop Underground Hoist Rams	Deleted from NPL		RL-ER03	
1100 HWSA, 1100 Area HWSA, 1100 Area Hazardous Waste Storage Area	Deleted from NPL	RL-TP13	RL-ER03	
1100 UOT4, 1100 Area Used Oil Tank 4, 1100 Area Underground Used Oil Tank (tank #4), 1171-4	Deleted from NPL	RL-TP13	RL-ER03	
1100 UOT5, 1100 Area Used Oil Tank 5, 1100 Area Underground Used Oil Tank (Tank #5), 1171-5	Deleted from NPL	RL-TP13	RL-ER03	
1100 UOT6, 1100 Area Used Oil Tank 6, 1100 Area Underground Used Oil Tank (Tank #6), 1171-6	Deleted from NPL	RL-TP13	RL-ER03	
1100 USPT2, 1100 Area Underground Steam Pad Tank 2, 1171-2	Deleted from NPL	RL-TP13	RL-ER03	
1100 USPT3, 1100 Area Underground Steam Pad Tank 3, 1171-3	Deleted from NPL	RL-TP13	RL-ER03	
1100-8, 1171 Hoist Oil Leak	Deleted from NPL	RL-TP13	RL-ER03	
700 WST, 700 Area Waste Solvent Tank, 700 Area Underground Waste Solvent Tank, 703-1	Deleted from NPL	RL-TP13	RL-ER03	
3000 JYHWSA, 3000 Area Jones Yard HWSA, 3000 Area Jones Yard Hazardous Waste Storage Area, Hazardous Waste Storage Area (Jones Yard)	Deleted from NPL		RL-ER03	
3000 UUOT, 3000 Area Underground Used Oil Tank, 3000-12	Deleted from NPL		RL-ER03	
3000/1208 HWSA, 3000 Area 1208 HWSA, 3000 Area 1208 Building Hazardous Waste Storage Area, Hazardous Waste Storage Area (1208)	Deleted from NPL		RL-ER03	
3000/1226 HWSA, 3000 Area 1226 HWSA, 3000 Area 1226 Building Hazardous Waste Storage Area, Hazardous Waste Storage Area (1226)	Deleted from NPL		RL-ER03	
3000/1234, 1234 Laydown Yard, 3000 Area 1234 Storage Yard, 1234 Building Storage Yard	Deleted from NPL		RL-ER03	
3000/1240 HWSA, 3000 Area 1240 HWSA, 3000 Area 1240 Building Hazardous Waste Storage Area, Hazardous Waste Storage Area (1240)	Deleted from NPL		RL-ER03	

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
UPR-3000-1, UN-3000-1	Deleted from NPL		RL-ER03	
600-112, 6652-C SSLAST, 6652-C SSL Active Septic Tank, 6652-C Space Science Laboratory Active Septic Tank	Deleted from NPL	RL-TP13	RL-ER03	
600-113, 6652-C SSLIST, 6652-C SSL Inactive Septic Tank, 6652-C Space Science Laboratory Inactive Septic Tank	Deleted from NPL	RL-TP13	RL-ER03	
600-114, 6652-G ALEFSBST, 6652-G ALE Field Storage Building Septic Tank	Deleted from NPL	RL-TP13	RL-ER03	
600-115, 6652-I ALEHST, 6652-I ALE Headquarters Septic Tank, 6652-I Arid Lands Ecology (ALE) Headquarters Septic Tank	Deleted from NPL	RL-TP13	RL-ER03	
600-116, RMNMB, Rattlesnake Mountain Nike Missile Base	Deleted from NPL		RL-ER03	
600-28, Rattlesnake Construction Dump	Deleted from NPL	RL-TP13	RL-ER03	
300 FBP, 300 Area Filter Backwash Pond	Active	RL-TP13	RL-ER03	RL-ER03
300 RFBP, 300 Area Retired Filter Backwash Pond, Pond 5, East Bay of South Process Pond	Active		RL-ER03	RL-ER03
300-3, 300-FF-1 Aluminum Hydroxide	No Action			RL-ER03
300-49, Landfill 1a, UPR-300-FF-1, UN-300-FF-1	Active		RL-ER03	RL-ER03
300-50, Landfill 1b, UPR-300-FF-1, UN-300-FF-1	Active		RL-ER03	RL-ER03
300-51, Landfill 1c, UPR-300-FF-1, UN-300-FF-1	Active			RL-ER03
300-52, 300 Area Sanitary Trenches	No Action	RL-TP13	RL-ER03	RL-ER03
316-1, South (old) Pond, 300 Area South Process Pond	Active		RL-ER03	RL-ER03
316-2, North (new) Pond, 300 Area North Process Pond	Active		RL-ER03	RL-ER03
316-5, 3904 Process Waste Trenches, 300 Area Process Trenches, 300 APT	Active		RL-ER03	
618-12, North Process Pond Scraping Disposal Area	Active		RL-ER03	RL-ER03
618-4, Burial Ground No. 4, 318-4	Active		RL-ER03	RL-ER03
628-4, Landfill 1D	Active		RL-ER03	
UPR-300-32	Active		RL-ER03	RL-ER03
UPR-300-33	Active		RL-ER03	RL-ER03
UPR-300-34, Release to the Soil	Active		RL-ER03	RL-ER03
UPR-300-35	Active		RL-ER03	RL-ER03
UPR-300-36	Active		RL-ER03	RL-ER03
UPR-300-37	Active		RL-ER03	RL-ER03
UPR-300-FF-1, 300-FF-1 Hot Spots, Surface Radiation Survey for 300-FF-1, UN-300-FF-1,	Active		RL-ER03	RL-ER03
UPR-600-15, UN-600-15	Active		RL-ER03	RL-ER03
300 IFBD, 300 Area Interim Filter Backwash Disposal	Rejected	RL-TP13		RL-ER03
300 PHWSA, 300 Area Powerhouse HWSA, 300 Area Powerhouse Hazardous Waste Storage Area	Rejected	RL-TP13		RL-ER03
300 RLWS, 300 Area RLWS, 300 Area Radioactive Liquid Waste Sewer	Active	RL-WM05	RL-ER03	RL-ER03
300 RRLWS, 300 Area Retired RLWS, 300 Area Retired Radioactive Liquid Waste Sewer System, Crib Waste System, Contaminated Sewer, Intermediate Level Radioactive Liquid Waste System	Active	RL-WM05	RL-ER03	RL-ER03
300 VTS, 300 Area Vitrification Test Site, In-Situ Vitrification (ISV) Test Site	Active		RL-ER03	RL-ER03
300-1, Old North Richland Automotive Maintenance Yard	Deleted from NPL		RL-ER03	RL-ER03
300-10, Burial Trench West of Process Trenches	Closed Out		RL-ER03	
300-101, 326 Building Stormwater Runoff and Steam Condensate, Miscellaneous Stream #409	Rejected		RL-ER03	RL-ER03
300-102, 328 Building Steam Condensate, Miscellaneous Stream #353	Rejected	RL-TP13	RL-ER03	RL-ER03
300-105, 331 Building Steam Condensate, Miscellaneous Stream #513, Pit U1	Rejected		RL-ER03	RL-ER03
300-106, 331 Building Steam Condensate, Miscellaneous Stream #574	Rejected		RL-ER03	RL-ER03
300-109, 333 Building Stormwater Runoff, Miscellaneous Stream #455	Active	RL-TP04	RL-TP04	RL-ER03
300-11, Pumphouse Underground Gasoline Tank, 382 Pumphouse UGT, 382-1	Active	RL-TP13	RL-ER03	RL-ER03
300-110, 333 Building Stormwater Runoff, Miscellaneous Stream #456	Active	RL-TP04	RL-TP04	RL-ER03
300-123, 366 Building Fuel Oil Bunker Loading Station Steam Condensate, Miscellaneous Stream #342	Active	RL-TP13	RL-ER03	RL-ER03
300-130, 3705 Building Stormwater Runoff, Miscellaneous Stream #413	Rejected			RL-ER03
300-14, 331 Building Animal Waste Tanks Pit	Rejected	RL-ST01		RL-ER03
300-15, 300 Area Process Sewer System	Active	RL-WM05	RL-ER03	RL-ER03
300-16, Solid Waste Near 314 Building, Utility Pole Replacements	Active	RL-TP04	RL-ER03	RL-ER03
300-175, 3714 Building Steam Condensate, Miscellaneous Stream #434	Active	RL-WM05	RL-ER03	RL-ER03

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
300-18, SCA #4, Surface Contaminated Area #4	Active		RL-ER03	RL-ER03
300-2, Contaminated Light Water Disposal	Active	RL-TP04	RL-ER03	RL-ER03
300-214, 300 Area Retention Process Sewer	Active	RL-WM05	RL-ER03	RL-ER03
300-218, 314 Building, Engineering Development Laboratory	Active		RL-ER03	RL-ER03
300-219, 300 Area Waste Acid Transfer Line	Active	RL-TP04	RL-ER03	RL-ER03
300-22, 309 Building B-Cell Cleanout Leak	Active	RL-TP04	RL-ER03	RL-ER03
300-222, 384-W Brine Pit, 384-W Salt Dissolving Pit and Brine Pump Pit	Active	RL-TP13	RL-ER03	RL-ER03
300-223, 384 Powerhouse Fuel Oil Day Tanks #1 and #2	Active	RL-TP13	RL-ER03	RL-ER03
300-224, WATS and U-Bearing Piping Trench	Active	RL-TP04	RL-ER03	RL-ER03
300-226, 3709A Building Miscellaneous Stream #768, Drip Station U39	Active			RL-ER03
300-227, 3709A Building Miscellaneous Stream #769, Drip Station U38	Active			RL-ER03
300-228, Miscellaneous Stream #770, Drip Station U28,Steam Trap 3G-U28, HPD-TRP-026	Active			RL-ER03
300-230, Steam Trap 3G-U44, HPD-TRP-29, U44, Miscellaneous Stream #771	Active			RL-ER03
300-24, Soil Contamination at the 314 Metal Extrusion Building	Active		RL-ER03	RL-ER03
300-25, 324 Building	Active	RL-TP08	RL-TP08	RL-ER03
300-251, Unplanned Release Outside the 303-K Building	Active	RL-TP04	RL-ER03	RL-ER03
300-26, Powerhouse Fuel Oil Spill, 384 Powerhouse #6 Fuel Oil Spill, Delivery Truck Spillage on Roads	Rejected	RL-TP13		RL-ER03
300-27, Soil Contamination at 329 Biophysics Laboratory	Rejected	RL-TP04		RL-ER03
300-28, Solid Waste Site Near 303-G Building	Active	RL-TP04	RL-ER03	RL-ER03
300-29, 305-B Berm, Source Location of UPR-600-11 Soil	Active		RL-ER03	RL-ER03
300-30, 3705 Photography Building	Rejected	RL-TP13		RL-ER03
300-32, 333 Building, 333 N Fuels Manufacturing Building, New Fuel Cladding Facility	Active	RL-TP04	RL-ER03	RL-ER03
300-33, 306W Metal Fabrication Development Building Releases	Active		RL-ER03	RL-ER03
300-34, 300 Area Process Sewer Leak (found during Project L-070 excavation at manhole PS-87)	Active	RL-WM05	RL-ER03	RL-ER03
300-39, 309 Building Ex-vessel Irradiated Fuel Storage Basin, 309 Building Irradiated Fuel Storage Basin, 309 Fuel Storage Basin	Active	RL-TP04	RL-ER03	RL-ER03
300-4, DOE 351 Substation Soil Contamination	Active	RL-TP13	RL-ER03	RL-ER03
300-40, Corrosion of Vitrified Clay Sewer Pipe	Active	RL-WM05	RL-ER03	RL-ER03
300-41, 306E Neutralization Tank, Underground Lime Tank and Valve Pit	Active	RL-TP04	RL-ER03	RL-ER03
300-42, 306E Fabrication and Testing Laboratory	Rejected		RL-TP14	RL-ER03
300-43, Unplanned Release Outside the 304 Building	Active	RL-TP04	RL-ER03	RL-ER03
300-46, Soil Contamination Surrounding 3706 Building	Active	RL-TP04	RL-ER03	RL-ER03
300-48, Thorium Oxide and Fuel Fabrication Chemical Wastes Around 3732 Building	Active	RL-TP04	RL-ER03	RL-ER03
300-5, 300 Area Fire Station Fuel Tanks, 3709A Fire Station	Active	RL-TP13	RL-ER03	RL-ER03
300-53, Unplanned Release East Side of 303-G	Closed Out	RL-TP04		RL-ER03
300-6, 366/366A Fuel Oil Bunkers	Active	RL-TP13	RL-ER03	RL-ER03
300-7, Undocumented Solid Waste Burial Ground Adjacent to 618-8, Possible Early Burial Ground Site	Active		RL-ER03	RL-ER03
300-8, Aluminum Recycle Storage Area, North of Railroad and North of 618-8, Aluminum Shavings Area	Active		RL-ER03	RL-ER03
300-80, 314 Building Stormwater Runoff and Steam Condensate, Miscellaneous Stream #268	Active		RL-ER03	RL-ER03
303-K CWS, 303-K Contaminated Waste Storage	Active	RL-TP04	RL-ER03	RL-ER03
303-M SA, 303-M Storage Area, 303-M Building Storage Area	Active	RL-TP04	RL-ER03	RL-ER03
303-M UOF, 303-M Uranium Oxide Facility	Active	RL-TP04	RL-ER03	RL-ER03
305-B SF, 305-B Storage Facility	Active		RL-ER03	RL-ER03
307 RB, 307 Retention Basins	Active	RL-WM05	RL-ER03	RL-ER03
309-TW-1, 309-TW Tank #1, 309 Holdup Tanks	Active	RL-TP04	RL-ER03	RL-ER03
309-TW-2, 309-TW Tank #2, 309 Holdup Tanks	Active	RL-TP04	RL-ER03	RL-ER03
309-TW-3, 309-TW Tank #3, 309 Holdup Tank	Active	RL-TP04	RL-ER03	RL-ER03
309-WS-1, 309 Plutonium Recycle Test Reactor Ion Exchanger Vault, Reactor Ion Exchange Pit, PRTR Ion Exchange Vault	Active	RL-TP04	RL-ER03	RL-ER03
309-WS-2, Rupture Loop Ion Exchange Pit, Ion Exchange Vault, Rupture Loop Annex Ion Exchange Loop Vault, RLAIX	Active	RL-TP04	RL-ER03	RL-ER03
309-WS-3, 309 Brine Tank	Active	RL-TP04	RL-ER03	RL-ER03
311-TK-40, 311 Neutralized Waste Tank 1	Active	RL-TP04	RL-ER03	RL-ER03
311-TK-50, 311 Neutralized Waste Tank 2, 311 Neutralization Tank #2	Active	RL-TP04	RL-ER03	RL-ER03
313 CENTRIFUGE, 313 Centrifuge, 300 Area WATS	Active	RL-TP04	RL-ER03	RL-ER03
313 CRO, 313 Copper Remelt Operations, 313 Building Copper Remelt Operations	Rejected			RL-ER03

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
313 ESSP, 313 East Side Storage Pad, 313 Building East Site Storage Pad	Active	RL-TP04	RL-TP04	RL-ER03
313 FP, 313 Filter Press, 300 Area Waste Acid Treatment System	Active	RL-TP04	RL-ER03	RL-ER03
313 MT, 313 Methanol Tank, 313 Building Underground Methanol Storage Tank	Closed Out			RL-ER03
313-TK-2, 313 Waste Acid Neutralization Tank, 300 Area Waste Acid Treatment System	Active	RL-TP04	RL-ER03	RL-ER03
315 RSDF, 315 Retired Sanitary Drain Field	Rejected	RL-TP13		RL-ER03
316-3, 307 Disposal Trenches, Process Water Trenches	Active	RL-WM05	RL-ER03	RL-ER03
316-4, 321 Cribs, 300 North Cribs, 316-N-1, 616-4	Active		RL-ER03	RL-ER03
323 Tank 1, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03
323 Tank 2, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03
323 Tank 3, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03
323 Tank 4, 321 Building Underground Waste Tanks, 321 Tank Farm #3	Active	RL-TP14	RL-TP04	RL-ER03
325 WTF, 325 Waste Treatment Facility	Active		RL-ER03	RL-ER03
331 LSLDF, 331 LSL Drain Field, 331 Life Sciences Laboratory Drainfield	Active		RL-ER03	RL-ER03
331 LSLT1, 331 LSL Trench 1, 331 Life Sciences Laboratory Trench #1	Active		RL-ER03	RL-ER03
331 LSLT2, 331 LSL Trench 2, 331 Life Sciences Laboratory Trench #2	Active		RL-ER03	RL-ER03
331-C HWSA, 331-C Hazardous Waste Storage Area, 331-C Low Level Radioactive Storage Area	Rejected		RL-ER03	RL-ER03
333 ESHWSA, 333 East Side HWSA, 333 Building East Side Hazardous Waste Storage Area	Active		RL-TP04	RL-ER03
333 WSTF, 333 West Side Tank Farm, 333 West Side Waste Oil Tank, 333 West Side Uranium Bearing Acid Tanks, 333 WSWOT	Active	RL-TP04	RL-ER03	RL-ER03
333-TK-11, 333 West Side Storage Tank for Uranium Bearing Acid, 333 Chromium Treatment Tank 2	Active	RL-TP04	RL-ER03	RL-ER03
333-TK-7, 333 West Side Storage Tank for Uranium Bearing Acid, 333 Chromium Treatment Tank 1	Active	RL-TP04	RL-ER03	RL-ER03
334 TFWAST, 334 Tank Farm Waste Acid Storage Tank, Tank 4	Active	RL-TP04	RL-ER03	RL-ER03
334-A-TK-B, 334-A Waste Acid Storage Tank 1	Active	RL-TP04	RL-ER03	RL-ER03
334-A-TK-C, 334-A Waste Acid Storage Tank 2	Active	RL-TP04	RL-ER03	RL-ER03
335 & 336 RSDF, 335 & 336 Retired Sanitary Drain Field	Rejected	RL-TP04		RL-ER03
340 CHWSA, 340 Complex HWSA, 340 Complex Hazardous Waste Storage Area	Rejected	RL-WM05	RL-ER03	RL-ER03
350 HWSA, 350 Building Hazardous Waste Storage Area, 350-D Hazardous Waste Staging Area	Rejected	RL-ST01		RL-ER03
3713 PSHWSA, 3713 Paint Shop Hazardous Waste Satellite Area	Rejected	RL-TP13		RL-ER03
3713 SSHWSA, 3713 Sign Shop Hazardous Waste Satellite Area	Rejected	RL-TP13		RL-ER03
3718-F BS, 3718-F Burn Shed	Closed Out	RL-TP04	RL-TP04	RL-ER03
3718-F SF, 3718-F Storage Facility, 3718-F Alkali Metal Treatment Facility	Closed Out	RL-TP04	RL-TP04	RL-ER03
3718-F TT1, 3718-F Treatment Tank 1	Closed Out	RL-TP04	RL-TP04	RL-ER03
3718-F TT2, 3718-F Treatment Tank 2	Closed Out	RL-TP04	RL-TP04	RL-ER03
400 FD10, 400 Area French Drain 10, 482A Building - T-58 Stormwater, Miscellaneous Stream #25, Injection Well #10	Rejected	RL-MS01		RL-ER03
400 FD10A, 400 Area French Drain 10A, 482A Building -T-87 Stormwater, Miscellaneous Stream #24, Injection Well #10A	Rejected	RL-MS01		RL-ER03
400 FD1A, 400 Area French Drain 1A, 4717 Reactor Service Building HVAC Condensate, Miscellaneous Stream #14, Injection Well #1A	Rejected	RL-MS01		RL-ER03
400 FD1B, 400 Area French Drain 1B, 4703 Building (FFTF Control Building) HVAC Condensate, Miscellaneous Stream #15, Injection Well #1B	Rejected	RL-MS01		RL-ER03
400 FD2, 400 Area French Drain 2, 4621E Building HVAC Condensate and Stormwater, Miscellaneous Stream #16, Injection Well #02	Rejected	RL-MS01		RL-ER03
400 FD3, 400 Area French Drain 3, 408A East Dump Heat Exchanger Stormwater, Miscellaneous Stream #17, Injection Well #03	Rejected	RL-MS01		RL-ER03
400 FD4, 400 Area French Drain 4, 491E Heat Transport Building Stormwater and HVAC Condensate, Miscellaneous Stream #18	Rejected	RL-MS01		RL-ER03
400 FD5, 400 Area French Drain 5, 408 South Building Stormwater and Condensate, Miscellaneous Stream #19, Injection Well #05	Rejected	RL-MS01		RL-ER03
400 FD6, 400 Area French Drain 6, 408C West Dump Heat Exchanger Sump Stormwater, Miscellaneous Stream #20	Rejected	RL-MS01		RL-ER03
400 FD7, 400 Area French Drain 7, 4621W Auxiliary Equipment Building HVAC Condensate and Stormwater, Miscellaneous Stream #21, 453C Switch Gear Pad Stormwater, Miscellaneous Stream #27, Injection Well #07	Rejected	RL-MS01		RL-ER03
400 FD8, 400 Area French Drain 8, 4621W Auxiliary Equipment Building HVAC Condensate, Miscellaneous Stream #22, Injection Well #08	Rejected	RL-MS01		RL-ER03

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
400 FD9, 400 Area French Drain 9, 481 Pumphouse Sanitary Water and Salt Water, Miscellaneous Stream #23, Injection Well #09	Rejected	RL-MS01		RL-ER03
400 PPSS, 400 Area Process Pond and Sewer System, 4904 Process Sewer System, 4904 Process Sewer Main, 4608 Percolation Pond, 4608B Control Structure and Process Sewer Sampling Site	Active	RL-MS01	RL-ER03	RL-ER03
400 RSP, 400 Area Retired Sanitary Pond	Rejected	RL-MS01		RL-ER03
400 RST, 400 Area Retired Septic Tanks	Rejected	RL-TP13		RL-ER03
400 SS, 400 Area Sanitary Sewer, 4608 Sanitary Sewer, 4608 SS	Rejected	RL-TP13		RL-ER03
400 STF, 400 Area Sanitary Tile Field, 4608 Sanitary Tile Field, 4608 STF	Rejected	RL-TP13		RL-ER03
400-1, 400-1 Dump Site	Rejected	RL-MS01		RL-ER03
400-11, 4607 SSL, 4607 Sanitary Sewer Lagoon, 400 Area Wetlands	Rejected	RL-TP13		RL-ER03
400-12, 4607 STF, 4607 Sanitary Tile Field, 4608A Sanitary Sewer Leaching Field, 4608A Leaching Field	Rejected	RL-TP13		RL-ER03
400-13, Waste Dumping Site (East of FFTF)	Rejected	RL-MS01		RL-ER03
400-14, Burn Pit (East of FFTF)	Rejected	RL-MS01		RL-ER03
400-16, 4831 Flammable Storage Facility, 4831 FSF	Rejected	RL-MS01		RL-ER03
400-17, Buried Construction Waste Area #1, Buried Construction Waste Area	Rejected	RL-MS01		RL-ER03
400-18, Buried Construction Waste Area #2, Buried Construction Waste Area	Rejected	RL-MS01		RL-ER03
400-19, Hazardous Waste Temporary Storage Facility, 400-30, 440 Building 90-Day Waste Accumulation Area	Rejected	RL-MS01		RL-ER03
400-23, Well Pump P-14 French Drain, Miscellaneous Stream #34, 480-A Pump House French Drain	Rejected	RL-MS01		RL-ER03
400-24, Well Pump P-15 French Drain, Miscellaneous Stream #35	Rejected	RL-MS01		RL-ER03
400-25, Well Pump P-16 French Drain, Miscellaneous Stream #36	Rejected	RL-MS01		RL-ER03
400-31, Sodium Storage Facility, 402 Building	Active	RL-MS01	RL-ER03	RL-ER03
400-32, U.G. Dry Well - North, Construction Dry Well	Rejected	RL-MS01		RL-ER03
400-33, U.G. Dry Well - South, Construction Dry Well	Rejected	RL-MS01		RL-ER03
400-4, Suspected Burial Ground (East of FFTF)	Rejected	RL-MS01		RL-ER03
400-5, Septic Tank or Cistern	Closed Out	RL-MS01		RL-ER03
400-6, Material Dumping Area (North of FFTF), Material Dumping Area and Building Foundation	Rejected	RL-MS01		RL-ER03
400-7, 4607 SSST, 4607 Sanitary Sewer Septic Tank, 4607 SS, 4607 Sanitary Sewer	Rejected	RL-TP13		RL-ER03
400-8, Construction Material Dumping Area (North of FFTF)	Rejected	RL-MS01		RL-ER03
400-9, 400 RPSSTP, 400 Area Retired Portable Sanitary Sewer Treatment Plant	Rejected	RL-MS01		RL-ER03
403 FD, Discharge point from the 403 Building, 403 French Drain, 400 Area French Drain Discharge from 403, 400 Area Drain Discharge from 403, Miscellaneous Stream #37	Rejected	RL-MS01		RL-ER03
427 HWSA, 427 Building Fuel Cycle Plant Hazardous Waste Storage Area, 427 Building Fuels and Materials Exam. Facility HWSA	Closed Out	RL-MS01		RL-ER03
437 MASF, 400 Area Maintenance and Storage Facility, 437 Maintenance and Storage Facility	Active	RL-MS01	RL-ER03	RL-ER03
4713-B FD, 4713-B French Drain, Miscellaneous Stream #33	Rejected	RL-MS01		RL-ER03
4713-B HWSA, 4713-B Hazardous Waste Storage Area	Rejected	RL-MS01		RL-ER03
4713-B LDFD, 4713-B Loading Dock French Drain, Miscellaneous Stream #469	Rejected	RL-MS01		RL-ER03
4721 FD, 400 Area French Drain Discharge from 4721 building Misc. Stream#28	Rejected	RL-MS01		RL-ER03
4722 PSHWSA, 4722 Paint Shop HWSA, 4722 Paint Shop Hazardous Waste Storage Area, 4722-C Hazardous Waste Storage Area	Rejected	RL-TP13		RL-ER03
4722-B FD, 4722-B French Drain	Rejected	RL-TP13		RL-ER03
4722-C FD, 4722-C French Drain, French Drain South of 4722-C, Miscellaneous Stream #29	Rejected	RL-TP13		RL-ER03
4831 LHWSA, 4831 Laydown HWSA, 4831 Laydown Hazardous Waste Storage Area, 4831 Flammable Storage Facility	Closed Out	RL-MS01		RL-ER03
600-1, Westinghouse Debris Pit	Active		RL-ER03	RL-ER03
600-117, 300 Area Treated Effluent Disposal Facility (TEDF), 310 Building	Active	RL-WM05	RL-ER03	RL-ER03
600-22, UFO Landing Site	No Action	RL-TP13	RL-ER03	RL-ER03
600-23, Dumping Area Within Gravel Pit #11	Active		RL-ER03	RL-ER03
600-243, Petroleum Contaminated Soil Bioremediation Pad	Active	RL-TP13	RL-ER03	RL-ER03
600-246, Gravel Pit #9, Inert/Demolition Waste Landfill (Pit 9)	Rejected	RL-TP13		RL-ER03
600-247, Gravel Pit #10, Inert Landfill (Pit 10)	Rejected	RL-TP13		RL-ER03
600-249, Debris Within Gravel Pit #6	Rejected	RL-TP13		RL-ER03

TABLE 4-61 Richland Environmental Restoration Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
600-47, Dumping Area North of 300-FF-1	Active		RL-ER03	RL-ER03
600-58, H.J. Ashe Substation Oil/Water Separator & Drywells, BPA SWMU #13	Active	RL-TP13	RL-ER03	RL-ER03
600-59, H.J. Ashe Substation Storage Area, BPA SWMU #12, Generator Storage Area Sump	Active	RL-TP13	RL-ER03	RL-ER03
600-60, H.J. Ashe Substation Switchyard Facility	Active	RL-TP13	RL-ER03	RL-ER03
600-62, Benton Switch Substation Releases	Active	RL-TP13	RL-ER03	RL-ER03
600-63, 300-N Lysimeter Area, Recharge Study Site, Hanford Grout Lysimeter Facility, Special Waste-Form Lysimeter, Buried Waste Test Facility	Active		RL-ER03	RL-ER03
600-96, 618-10 Borrow Pit	Rejected			RL-ER03
600-97, 618-11 Borrow Pit	Rejected			RL-ER03
618-1, Solid Waste Burial Ground No. 1, 318-1	Active	RL-TP04	RL-ER03	RL-ER03
618-10, 300 North Solid Waste Burial Ground, 318-10	Active		RL-ER03	RL-ER03
618-11, Y Burial Ground, 318-11, 300 Wye Burial Ground	Active		RL-ER03	RL-ER03
618-13, 318-13, 303 Building Contaminated Soil Burial Site	Active		RL-ER03	RL-ER03
618-2, Solid Waste Burial Ground No. 2, 318-2	Active		RL-ER03	RL-ER03
618-3, Solid Waste Burial Ground No. 3, 318-3, Burial Ground #3, Dry Waste Burial Ground No. 3	Active		RL-ER03	RL-ER03
618-5, Burial Ground No. 5, Regulated Burning Ground, 318-5	Active		RL-ER03	RL-ER03
618-6, Solid Waste Burial Ground #6	Rejected		RL-ER03	RL-ER03
618-7, Solid Waste Burial Ground No. 7, Burial Ground #7, 318-7	Active		RL-ER03	RL-ER03
618-8, Solid Waste Burial Ground No. 8, 318-8, Early Solid Waste Burial Ground	Active		RL-ER03	RL-ER03
618-9, 300 West Burial Ground, 318-9, Dry Waste Burial Site No. 9	Closed Out		RL-ER03	
JA JONES 1, JA Jones 1, JA Jones Dumping Pit #1, JA Jones Construction Pit #1	Active	RL-TP13	RL-ER03	RL-ER03
UPR-300-1, 316-1, 316-1A, 307-340 Waste Line Leak, UN-300-1	Active	RL-WM05	RL-ER03	RL-ER03
UPR-300-10, Contamination Under 325 Bldg., UN-300-10	Active		RL-ER03	RL-ER03
UPR-300-11, Underground Radioactive Liquid Line Leak, UN-300-11	Active	RL-WM05	RL-ER03	RL-ER03
UPR-300-12, UN-300-12	Active		RL-ER03	RL-ER03
UPR-300-13, UN-300-13, Acid Neutralization Tank Leak East of 333 Building	Rejected	RL-TP04		RL-ER03
UPR-300-14, UN-300-14, Acid Leak at 334 Tank Farm	Rejected	RL-TP04		RL-ER03
UPR-300-17, UN-300-17	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-18, UN-300-18	Rejected		RL-TP04	RL-ER03
UPR-300-2, Releases at the 340 Facility, UN-300-2, UN-316-2	Active	RL-WM05	RL-ER03	RL-ER03
UPR-300-31, UN-300-31	Rejected		RL-TP04	RL-ER03
UPR-300-38, Soil Contamination Beneath the 313 Building	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-39, UN-300-39	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-4, UN-300-4	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-40, Acid Release at the 303-F Pipe Trench, UN-300-40, UPR-300-31, UN-300-31	Active	RL-TP04	RL-TP04	RL-ER03
UPR-300-41, 300 Area #340 Building Phosphoric Acid Spill, UN-300-41	Closed Out	RL-WM05		RL-ER03
UPR-300-42, 300 Area Powerhouse Fuel Oil Spill, UN-300-42	Active	RL-TP13	RL-ER03	RL-ER03
UPR-300-43, 300 Area Solvent Refined Coal Spill, UN-300-43	Rejected	RL-ST01		RL-ER03
UPR-300-44, 313 Building, Uranium Bearing Waste Etch-Acid Spill, UN-300-44	Rejected	RL-TP04		RL-ER03
UPR-300-45, 303-F Building Uranium-Bearing Acid Spill, UN-300-45	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-46, Contamination North of 333 Building	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-48, 325 Building Basement Topsy Pit	Active		RL-ER03	RL-ER03
UPR-300-5, UN-300-5, Spill at 309 Storage Basin	Active	RL-TP04	RL-ER03	RL-ER03
UPR-300-7, UN-300-7, Oil Spill at 384 Building	Active	RL-TP13	RL-ER03	RL-ER03
UPR-400-1, 400 Area Coolant Spill, UN-400-1	Rejected	RL-TP13		RL-ER03
UPR-600-11, Contaminated Soil Dumped at JA Jones Pit #1	Closed Out	RL-TP13		RL-ER03
UPR-600-22, WPPSS Windrow Site, 600-21	Active		RL-ER03	RL-ER03

The 'Rejected' and 'Completed' waste sites are part of the Project Hanford Management Contract (PHMC), but require no additional work from the PHMC team. When they are removed from the contract via direction from the RL Contracting Officer representative, they will be removed from this specification.

* RL PBS Identifier Index:

RL-ER01 - 100 Area Source Remedial Action

RL-ER02 - 200 Area Source Remedial Action
RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-ER09 - N Area Deactivation
RL-MS01 - FFTF Project
RL-ST01 - PNNL Waste Management
RL-TP01 - B-Plant
RL-TP02 - WESF
RL-TP03 - PUREX
RL-TP04 - 300 Area/SNM
RL-TP05 - PFP
RL-TP08 - 324/327 Facility Transition
RL-TP10 - Accelerated Deactivation
RL-TP11 - Advanced Reactors Transition
RL-TP13 - Landlord
RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization
RL-TW01 - Tank Waste Characterization
RL-TW02 - Tank Safety Issue Resolution
RL-TW03 - Tank Farm Operations
RL-TW04 - Retrieval
RL-WM01 - Spent Nuclear Fuel Project
RL-WM03 - Solid Waste Storage & Disposal
RL-WM04 - Solid Waste Treatment
RL-WM05 - Liquid Effluents
RL-WM06 - Analytical Services

4.3.e Performance Measures

Perform measures shall be in accordance with "Performance Plan" for Bechtel Hanford, Inc., under contract DE-AC06-93RL12367, prepared by U.S. Department of Engery, Richland Operations office.

4.3.1 100 Area Source Remedial Action

The Waste, Material and Geographic Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford cleanup effort is structured. Each mission area and project partially support each of these goals. As an aggregate the projects support completion of all the goals.

4.3.1.1 Project Description Summary

The Contractor provides the M&I of activities required to assess and remediate past practices waste sites in the 100 Area of the Hanford Site. The 100 Area is adjacent to the Columbia River and includes over 400 waste sites, in six separate reactor areas.

The Contractor is responsible for the following:

-Assessing the waste sites to determine the type and extent of contamination, such that an ROD for remediation of the waste sites can be prepared.

-Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

The 100 Area lies at the north end of the Hanford Site, along the Columbia River. It is comprised of six non-contiguous reactor areas containing nine retired Pu production reactors and their ancillary facilities. During operations, large amounts of cooling water flowed through the reactor cores and became contaminated with radionuclides and chemical contaminants. Soil and underlying groundwater were contaminated when cooling water was disposed in cribs and trenches and leaked from water transfer systems. Solid wastes contaminated with radionuclides were buried in unlined trenches.

The 100 Area ER Remedial Action Project is responsible for assessment and remediation of these past practice waste sites. One of the Hanford Site priorities is to focus initial remediation along the Columbia River. The Remedial Action Project addresses this primary regulatory priority, as well as stakeholder and Tribal Nation values relative to protection of the Columbia River.

The remedial actions are designed to reduce risk to the public, workers, and the environment by removing and disposing of the contamination in the 100 Area waste sites. These actions will be taken in accordance with an ROD. The objective of the project is to clean up the 100 Area to a condition that will make the land suitable for other uses without being restricted due to residual contamination. The 100 Area Source Remedial Action Project will be followed by long-term monitoring to ensure cleanup standards continue to be met.

The 100 Area Source Remedial Action Project is organizationally part of the overall Remedial Action and ER Waste Disposal Project.

The 100 Area is essentially equivalent to the area referenced in the Hanford Site Strategic Plan as the Reactors on the River.

4.3.1.2 Life-Cycle Material and Waste Flow

Table 4-62 100 Area Source Remedial Action Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
RoR Soil Site Operable Units	CH LLMW I	2000 - 2007	51.1	cubic meters
	CH LLW I	2000 - 2002	425.0	cubic meters
	HLW	2000 - 2005	910.0	cubic meters

4.3.1.3 Facility Life-Cycle Requirements

- Requirements

  - Suspect TRU solid waste shall be retrieved and characterized.
  - Contaminated soil sites shall be treated to levels supportive of future use targets or regulator specified levels for each geographic area as prescribed by CERCLA , RCRA , or NEPA decisions.
  - Reactors on the River contaminated soil sites shall be remediated to support future land use identified in the Records of Decision.

- Reactors on the River radioactive contamination at inactive waste sites shall be controlled and reduced.
- Reactors on the River contaminated soil sites shall be monitored.
- Reactors on the River gaseous effluent releases shall be monitored.
- Reactors on the River liquid effluent releases shall be monitored.
- Reactors blocks shall be maintained within the approved safety envelope for 75 years.

- Planning Assumptions

  - Reactors on the River reactors shall be transitioned to the surveillance and maintenance phase pending future removal.
  - Reactors on the River reactor blocks shall be moved to the Central Plateau after 75 years.
  - Reactors on the River miscellaneous wells shall be maintained within the approved requirements.
  - Reactors on the River - Soil Sites.RR.2 Final cleanup levels will be established for Reactors on the River Soil Sites within individual RODs or Permit Modifications.

4.3.1.4 Project Safety Authorization Basis/NEPA and Permits

The ER Project has prepared and will maintain BHI-00981, ERC Hazard Classification Matrices for Above Ground Structures and Groundwater and Soil Remediation Activities (Curry 1997), which provides the status of preliminary hazards classification process for the ER Project. This classification process is based on current DOE guidance for the classification of facilities and activities containing radionuclide and nonradiological hazardous material inventories.

4.3.1.5 Tri-Party Agreement Requirements

- TPA.M.16.0.A Complete all 100 Area remedial actions. [Due Date: TBD]
- TPA.M.16.1 Complete 100-N Area decontamination and decommissioning. [Due Date: TBD]

4.3.1.6 Interfaces

Clarifying comments on ERDF interface shown in the table below:

The rubble wastes from the D&D activities can have multiple paths for disposal, namely, ERDF and EXTERNAL interfaces. If the D&D activities are governed by CERCLA and meets the criteria of BH-00139, the waste will be authorized for disposal to ERD. If some of the D&D activities are being done as RCRA TSD facility closures, and are not acceptable for disposal to ERDF, the disposal of such D&D rubble wastes should have EXTERNAL interface.

No liquid waste or Navy submarine waste will be accepted by ERDF.

TABLE 4-63 100 Area Source Remedial Action Interfaces

Project Title	Project Number	Interface
Offsite Landfill	EXTERNAL	Receives ER RR SOIL SITE, ASBESTOS
Hazardous Waste Disposal Contracts	EXTERNAL	Receives Dangerous Waste from Reactor Soil Site Remediation for Disposition Receives HAZ waste from ER RR Soil Sites Remediation
Tank Farm Operations	RL-TW03	Receives 105-F & 105-H Basin TCO, HLW
Solid Waste Storage & Disposal	RL-WM03	Receives BHI SURPLS FAC, CH LLW I Receives BHI SURPLS FAC, CH-LLMW-I Receives Received CH-TRU
Analytical Services	RL-WM06	Receives Analytical Laboratory Samples from Environmental Restoration
ER Disposal Facility (ERDF)	RL-ER04	Receives ER CH LLMW I Disposed Receives ER RR SOIL SITE, CH-LLMW-I Receives ER RR SOIL SITE, CH-LLW-I

4.3.1.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.3.2 200 Area Source Remedial Action

4.3.2.1 Project Description Summary

The Contractor provides the M&I of activities required to assess and remediate past practice waste sites in the 200 Area of the Hanford Site. The 200 Area is in the center of the Hanford Site, and consists of approximately 700 waste sites located in and adjacent to the 200 East and 200 West Areas.

The Contractor is responsible for the following:

-Assessing the waste sites to determine the type and extent of contamination, such that an ROD for remediation of the waste sites can be prepared.

-Preparing the remedial design and performing the remedial actions necessary to implement the ROD.

The 200 Areas Source Remedial Action Project consists of 32 Operable Units on the Central Plateau of the Hanford Site. The 200 Areas Source Operable Units contain approximately 450 waste sites and 250 unplanned releases that require action. These waste sites and unplanned releases were associated with the SNF processing activities that occurred in the 200 Areas.

The soil contamination from the liquid and solid wastes contain low-level radiological, MLLWs, and chemical constituents, and will result in 1 million loose cubic meters of contaminated soils requiring disposal and barriers covering approximately 4.5 million square meters. Groundwater contamination exists at various 200 Area Operable Units, and is addressed in the ER Groundwater Management Project.

The remedial actions are designed to reduce the risk to the public, workers, and the environment by constructing engineered barriers to isolate the contamination in the 200 Area waste sites from the environment. These actions will be taken in accordance with an ROD. Much of the 200 Area will be used for management of contaminated media and disposal of waste site materials. The 200 Area Source Remedial Action Project will be followed by long-term monitoring to ensure that cleanup standards continue to be met.

The 200 Area Source Remedial Action Project is organizationally part of the overall Remedial Action and ER Waste Disposal Project.

The 200 Area is essentially equivalent to the area referenced in the Hanford Site Strategic Plan as the Central Plateau.

4.3.2.2 Life-Cycle Material and Waste Flow

Table 4-64 200 Area Source Remedial Action Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
CP Soil Site Operable Units	CH TRU	2000 - 2026	1400	cubic meters
	CH TRUM	2000 - 2014	1.28	cubic meters

4.3.2.3 Facility Life-Cycle Requirements

- Requirements

  - Suspect TRU solid waste shall be retrieved and characterized.
  - Each disposal system will have a design life of 50 years minimum; 20 years are required for the operational phase and 30 years for post-closure monitoring.
  - Central Plateau contaminated soil sites shall be closed in place with minimal retrieval using surface barriers.
  - Contaminated soil sites shall be treated to levels supportive of future use targets or regulator specified levels for each geographic area as prescribed by CERCLA , RCRA , or NEPA decisions.
  - Central Core Area contaminated groundwater shall be monitored
  - Central Core Area contaminated soil sites shall be monitored
  - Central Core Area gaseous effluent releases shall be monitored
  - Central Core Area liquid effluent releases shall be monitored
  - Central Core radioactive contamination spread shall be reduced and controlled
  - Central Plateau contaminated soil sites shall be monitored
  - Central Plateau radioactive contamination at inactive waste sites shall be controlled and reduced
  - Central Plateau unsegregated wastes (including pre 1970 TRU) shall not be retrieved

- Planning Assumptions

  - Central Core environmental contamination shall be cleaned up to the levels established in individual records-of-decision or permit modifications.
  - Central Plateau processing facilities shall be entombed in place with co-disposal of waste materials
  - Central Plateau processing facilities shall be entombed in place with co-disposal of waste materials
  - Transitioned facilities shall be decontaminated and decommissioned sufficiently to enable removal or closure through entombment
  - Central Core Area land ownership shall be retained
  - Central Core Area land shall be made available for other uses
  - Central Core Area groundwater shall be intercepted or contained as necessary to protect the Columbia River.
  - Central Core Area groundwater use shall be restricted for a yet to be determined period of time
  - Central Core Area groundwater wells shall be maintained within the approved safety envelope
  - Central Core Area miscellaneous wells shall be maintained within the approved requirements.
  - Central Plateau miscellaneous wells shall be maintained within the approved safety envelope
  - Central Core - Soil Sites.CC.1 Final cleanup levels will be established for Central Core Soil Sites within individual RODs or Permit Modifications.
  - Closed in place with minimal retrieval.

4.3.2.4 Project Safety Authorization Basis/NEPA and Permits

The ER Project has prepared and will maintain BHI-00981, ERC Hazard Classification Matrices for Above Ground Structures and Groundwater and Soil Remediation Activities (Curry 1997), which provides the status of preliminary hazards classification process for the ER Project. This classification process is based on current DOE guidance for the classification of facilities and activities containing radionuclide and nonradiological hazardous material inventories.

4.3.2.5 Tri-Party Agreement Requirements

  - None

4.3.2.6 Interfaces

Clarifying comments on ERDF interface shown in the table below:

The rubble wastes from the D&D activities can have multiple paths for disposal, namely, ERDF and EXTERNAL interfaces. If the D&D activities are governed by CERCLA and meets the criteria of BH-00139, the waste will be authorized for disposal to ERD. If some of the D&D activities are being done as RCRA TSD facility closures, and are not acceptable for disposal to ERDF, the disposal of such D&D rubble wastes should have EXTERNAL interface.

TABLE 4-65 200 Area Source Remedial Action Interfaces

Project Title	Project Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives Dangerous Waste from Central Core Soil Sites for Disposition Receives Dangerous Waste from Central Plateau Soil Sites for Disposition Receives Dangerous Waste Retrieved from Central Core Sites for Disposition
Solid Waste Storage & Disposal	RL-WM03	Provides Safe & Compliant Excess Non-Mixed Waste Burial Grounds Receives BHI SURPLS FAC, CH-TRUM Receives BHI SURPLUS FAC, CH-TRU Receives Deactivated Non-Mixed Waste Burial Grounds
Surveillance & Maintenance	RL-ER05	Provides Safe & Compliant Deactived U Plant Provides Safe and Compliant Deactivated REDOX Facility
ER Disposal Facility (ERDF)	RL-ER04	Receives Rubble from the REDOX D&D Operatios Receives Rubble from the U-Plant D&D Operations

4.3.2.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-96-92, Hanford Strategic Plan"

4.3.3 300 Area Source Remedial Action

4.3.3.1 Project Description Summary

The 300 Area lies at the south end of the Hanford Site, along the Columbia River. Approximately 68 billion liters (18 billion gallons) of liquid waste and 400,000 cubic meters of solid waste have been disposed to the ground in and around the 300 Area. The liquids and solid waste contained both radionuclides and hazardous materials primarily from fuel fabrication and laboratory activities, soil and underlying groundwater were contaminated.

The remedial actions are designed to reduce the risk to the public, workers, and the environment by removing the contamination in the 300 Area waste sites from the environment. These actions will be taken in accordance with an ROD. The objective of the remedial actions is to make the land available for industrial use. The 300 Area Source Remedial Action Project will be followed by long-term monitoring to ensure cleanup standards continue to be met.

The 300 Area Source Remedial Action Project is organizationally part of the overall Remedial Action and ER Waste Disposal Project.

The 300 Area includes the majority of the waste sites in the area referenced in the Hanford Site Strategic Plan as the South 600 Area.

4.3.3.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.3.3.3 Facility Life-Cycle Requirements

- Requirements

  - Suspect TRU solid waste shall be retrieved and characterized.
  - Contaminated soil sites shall be treated to levels supportive of future use targets or regulator specified levels for each geographic area as prescribed by CERCLA , RCRA , or NEPA decisions.
  - South 600 Area contaminated soil sites shall be remediated consistent with the Records of Decision.
  - South 600 Area waste sites that do not contain pre-1970 TRU waste shall be closed in place.
  - South 600 Area contaminated media removed from soil sites shall be moved to the Central Plateau for disposal.
  - 324 B-Cell debris shall be removed by November 30, 2000.
  - 324 B-Cell containerized mixed waste shall be managed in compliance with Washington State Administrative Code Chapter 173.303.
  - Radioactive tank waste shall be removed from the 324 building.
  - Contaminated media from soil sites in the South 600 area shall be disposed in the Central Plateau.
  - 600 Area radioactive contamination at inactive waste sites shall be controlled and reduced.
  - South 600 Area contaminated soil sites shall be monitored.
  - South 600 Area gaseous effluent releases shall be monitored.
  - Operation and maintenance of the 307 Retention Basins shall be in accordance with the Hanford 300 Area Retention Process Sewer Hazard Categorization, HNF-SD-WM-SAD-027.

- Planning Assumptions

  - Facilities in South 600 Area - 10 Remove non-essential, surplus buildings and facilities that don’t have identified post-cleanup uses.
  - Transitioned facilities shall be decontaminated and decommissioned sufficiently to enable removal or closure through entombment
  - North Richland soil sites shall be remediated to allow industrial use consistent with the Records of Decision.
  - High cost surplus facilities and systems shall be transitioned to a low cost, stable, deactivated condition.
  - Facilities and systems shall be made available for other uses.
  - Facilities shall be transitioned to the surveillance and maintenance phase when no longer required to support the site mission.
  - Facilities and systems that can not be used for other purposes, shall be removed, equipment and materials salvaged to offset the cost of final disposition.
  - 300 Area waste sites shall be remediated to allow industrial and economic diversification opportunities within the 300 Area.
  - Hazardous materials shall be removed from 400 Area facilities.

- South 600 Area pre-1970 TRU shall be removed.
- South 600 Area pre-1970 TRU shall be moved to the Central Plateau.
- 600 Area miscellaneous wells shall be maintained within the approved requirements.
- South 600 Area Soil Sites.SS.2 Final cleanup levels will be established for South 600 Area Soil Sites within individual RODs or Permit Modifications.

4.3.3.4 Project Safety Authorization Basis/NEPA and Permits

The ER Project has prepared and will maintain BHI-00981, ERC Hazard Classification Matrices for Above Ground Structures and Groundwater and Soil Remediation Activities (Curry 1997), which provides the status of preliminary hazards classification process for the ER Project. This classification process is based on current DOE guidance for the classification of facilities and activities containing radionuclide and nonradiological hazardous material inventories.

4.3.3.5 Tri-Party Agreement Requirements

- TPA.M.16.0.B Complete all 300 Area remedial actions. [Due Date: TBD]
- TPA.M.45.5.T.7 Initiate tank waste retrieval from seven additional single-shell tanks. [Due Date: 9/30/2009]
- TPA.M.81.6 Complete PCB transformer disposal. [Due Date:9/30/2001]
- TPA.M.89.2 TPA Miletone M-89-02, due November 30, 2000, requires removal of 324 facility B-Cell mixed waste and equipment. Actions under this milestone include containment and removal of all B Cell dispersible materials, excess equipment and debris. Containerized MW will be managed in compliance with Chapter 173.303 WAC, thereby reducing risks to human health and the environment. Any remaining residues following removal actions will be managed through the final closure process. USDOE's 324 Building Rec B Cell clean-out project (BCCP) will be used as a guide for containerizing dispersible MW and removing unnecessary equipment and materials from B-Cell.

4.3.3.6 Interfaces

Clarifying comments on ERDF interface shown in the table below:

The rubble wastes from the D&D activities can have multiple paths for disposal, namely, ERDF and EXTERNAL interfaces. If the D&D activities are governed by CERCLA and meets the criteria of BH-00139, the waste will be authorized for disposal to ERD. If some of the D&D activities are being done as RCRA TSD facility closures, and are not acceptable for disposal to ERDF, the disposal of such D&D rubble wastes should have EXTERNAL interface.

No liquid waste or Navy submarine waste will be accepted by ERDF.

TABLE 4-66 300 Area Source Remedial Action Interfaces

Project Title	Project Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives Dangerous Waste from South 600 Area Soil Sites for Disposition Receives Dangerous Waste Retrieved from South 600 Area Sites for Disposition
Liquid Effluents	RL-WM05	Provides Excess 307 Liquid Waste Transfer Facility Basins
324/327 Facility Transition	RL-TP08	Provides Deactivated 327 Facility
Surveillance & Maintenance	RL-ER05	Provides 300 Area Fuel Supply System from S&M Provides 306W Facility from S&M Provides 308 Building from S&M Provides 325 Facility from S&M Provides 326 Facility from S&M Provides 329 Facility from S&M
ER Disposal Facility (ERDF)	RL-ER04	Receives Rubble from 300 Area Fuel Supply System Demolition Receives Rubble from 306W Building Demolition Receives Rubble from 307 Liquid Waste Transfer Facility Demolition Receives Rubble from 308 Building Demolition Receives Rubble from 309 Building Demolition Receives Rubble from 324 Building Demolition Receives Rubble from 325 Building Demolition Receives Rubble from 326 Building Demolition Receives Rubble from 327 Facility Demolition Receives Rubble from 329 Building Demolition Receives Rubble from 340 Waste Handling Facility Demolition
Advanced Reactors Transition	RL-TP11	Provides Safe & Compliant Deactivated 309 Facility

4.3.3.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- HNF-SD-WM-SAD-027, Hanford 300 Area Retention Process Sewer Hazard Categorization"

4.3.4 Groundwater Management

4.3.4.1 Project Description Summary

The Contractor provides the M&I of groundwater management for the Hanford Site.

The Contractor is responsible for the following:

-Assessing the groundwater to determine the type and extent of contamination such that an ROD for remediation of the groundwater can be prepared

-Preparing the remedial design and performing the remedial actions necessary to implement the ROD

-Managing and integrating the numerous groundwater monitoring requirements

-Managing and integrating the groundwater well maintenance and decommissioning .

The Columbia River crosses the northern portion of the Hanford Site and essentially forms the eastern boundary. Groundwater under the 100, 200, and 300 Areas has been contaminated through discharge of waste liquids to cribs, ditches, trenches, ponds, french drains, and retention basins. Currently, approximately 22015 hectors (85 mi2) of groundwater exceed drinking water standards, and portions of this contaminated groundwater have reached the Columbia River.

The overall goal of the Groundwater Management Project is to restore groundwater to its intended beneficial uses in terms of protection of human health and the environment. The strategy is to contain the spread of contamination and to reduce the mass of contamination in the major groundwater plumes. Remediation of groundwater will generally consist of groundwater extraction, surface treatment, and reinjection to the aquifer. Along with remediation the Groundwater Management Project will coordinate and perform the required groundwater monitoring and well decommissioning.

The Groundwater Management Project is organizationally a standalone project within the overall ER Project.

4.3.4.2 Life-Cycle Material and Waste Flow

Table 4-67 Groundwater Management Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
CP Groundwater Operable Units	Waste Water	2000 - 2030	222000	cubic meters

4.3.4.3 Facility Life-Cycle Requirements

- Requirements

  - Central Core Area liquid effluent releases shall be monitored
  - Central Plateau contaminated groundwater shall be monitored
  - RCRA monitoring wells shall be installed until all land disposal units and single shell tanks have RCRA compliant monitoring systems(by Dec 31, 1999).
  - Reactors on the River contaminated groundwater shall be monitored.
  - Reactors on the River liquid effluent releases shall be monitored.
  - South 600 Area contaminated groundwater shall be monitored.
  - South 600 Area liquid effluent releases shall be monitored

- Planning Assumptions

  - Groundwater in Central Plateau - 2 Final cleanup levels will be established within individual RODs or Permit Modifications.
  - Groundwater in Reactors on River Area - 2 Final cleanup levels will be established within individual RODs or Permit Modifications.

- Groundwater in South 600 Area - 2 Final cleanup levels will be established within individual RODs or Permit Modifications.
- Central Core environmental contamination shall be cleaned up to the levels established in individual records-of-decision or permit modifications.
- Central Plateau groundwater shall be intercepted or contained within accepted boundaries.
- Central Plateau groundwater use shall be restricted for a yet to be determined period of time
- Central Plateau groundwater monitoring wells shall be maintained within the approved requirements.
- Remediation actions shall reduce contamination entering the Hanford Site groundwater.
- Remediation actions shall control the migration of plumes that threaten groundwater quality beyond the boundaries of the Central Plateau.
- Reactors on the River groundwater shall be treated or contained as necessary to protect the Columbia River and the environment.
- Reactors on the River groundwater monitoring wells shall be maintained within the approved safety envelope.
- Reactors on the River groundwater use shall be restricted for a yet to be determined period of time.
- South 600 Area groundwater shall be intercepted or contained.
- North Richland Area groundwater shall be intercepted or contained.
- South 600 Area groundwater use shall be restricted for a yet to be determined period of time.
- South 600 Area groundwater monitoring wells shall be maintained within the approved safety envelope.
- Central Core - Soil Sites.CC.1 Final cleanup levels will be established for Central Core Soil Sites within individual RODs or Permit Modifications.

4.3.4.4 Project Safety Authorization Basis/NEPA and Permits

The ER Project has prepared and will maintain BHI-00981, ERC Hazard Classification Matrices for Above Ground Structures and Groundwater and Soil Remediation Activities (Curry 1997), which provides the status of preliminary hazards classification process for the ER Project. This classification process is based on current DOE guidance for the classification of facilities and activities containing radionuclide and nonradiological hazardous material inventories.

4.3.4.5 Tri-Party Agreement Requirements

- TPA.M.24.0.K Install RCRA groundwater monitoring wells at the rate of up to 50 in CY 1999 (if required). [Due Date: 12/31/1999]

4.3.4.6 Interfaces

TABLE 4-68 Groundwater Management Interfaces

Project Title	Project Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives Dangerous Waste from Central Core Gound Water Sites for Disposition Receives Dangerous Waste from Central Plateau Ground Water Sites for Disposition Receives Dangerous Waste from Columbia River Shoreline Ground Water Sites for Disposition Receives Dangerous Waste from Reactor Site Groundwater Remediation for Disposition Receives Dangerous Waste from South 600 Area Ground Water Sites for Disposition
Hanford Legacy	EXTERNAL	Provides Legacy CP Groundwater OU
Liquid Effluents	RL-WM05	Receives 200-UP-1 Groundwater Receives Groundwater Monitoring Purgewater

4.3.4.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.3.5 Surveillance & Maintenance

4.3.5.1 Project Description Summary

The Contractor provides the M&I of S&M of waste sites and facilities assigned to the ER Project. The waste sites and facilities are located throughout the Hanford Site.

The Contractor is responsible for the following:

-Managing and integrating the S&M of inactive facilities assigned to the ER Project

-Managing and integrating the Radiation Area Remedial Action activities

-Managing and integrating the transition to the ER Project of inactive facilities from other EM Projects at the Hanford Site.

The Hanford Site contains many surplus facilities remaining from past Pu production activities that were required by the U.S. Department of Defense from World War II through the Cold War. These facilities are now aged and deteriorating. Because the facilities no longer have a production mission, they must be either maintained (to preserve their integrity) or removed to (1) preclude the escape of potentially hazardous substances to the accessible environment, or (2) present unacceptable industrial safety risks.

S&M is divided into two key areas:

Inactive Facility S&M
Radiation Area Remedial Action.

In addition, this project includes the transition activities involved in the ERC's acceptance of new facilities from other DOE programs through the deactivation process.

The purpose of the S&M function for contaminated surplus facilities awaiting decommissioning is as follows.

Ensure adequate containment of contamination.

Provide physical safety and security controls.

Maintain the facilities in a manner that will minimize potential hazards to the public and workers.

Maintain systems/equipment that will be essential for D&D activities in a shutdown but standby/operational mode.

Provide a mechanism for the identification and compliance with applicable environmental, safety, health, and safeguards/security requirements.

In parallel with S&M, the risk assessment/corrective maintenance program performs vital corrective maintenance actions in the surplus facilities. The purpose of the program is to establish and maintain the surplus facilities in a safe condition until the buildings are dismantled or released for other uses.

The S&M project is responsible for radiation area remedial action on approximately 1000 inactive waste sites, including 16 RCRA TSD units. The inactive waste sites include unplanned release sites, cribs, trenches, ponds, and burial grounds. The waste sites are in the 100, 200, 300, and 600 Areas of the Hanford Site.

The S&M is required until the facilities are decommissioned and waste sites remediated.

Currently the S&M Project is organizationally part of the S&M Project, which includes long-term S&M.

4.3.5.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.3.5.3 Facility Life-Cycle Requirements

- Requirements

  - Central Plateau gaseous effluent releases shall be monitored
  - Reactors on the River facilities shall be surveilled and maintained within the approved safety envelope.
  - South 600 Area gaseous effluent releases shall be monitored.

- Planning Assumptions

  - The 300 Area waste sites, materials and facilities will be remediated to allow industrial and economic diversification opportunities. The Federal government will retain ownership of land in and adjacent to the 300 and 400 Areas, but will lease land for private and public uses to support regional industrial and economic development. Excess land within the 1100 Area will be targeted for transition to non-Federal ownership.
  - Reactors on the River reactors shall be transitioned to the surveillance and maintenance phase pending future removal.
  - Facilities and systems that can not be used for other purposes, shall be removed, equipment and materials salvaged to offset the cost of final disposition.
  - Central Plateau facilities shall be maintained within the approved safety envelope
  - South 600 Area facilities shall be surveilled and maintained within the approved safety envelope.
  - 300 Area facilities shall be surveilled and maintained within the approved safety envelope.
  - 308 building shall be surveilled and maintained within the approved safety envelope.

4.3.5.4 Project Safety Authorization Basis/NEPA and Permits

The ER Project has prepared and will maintain BHI-00981, ERC Hazard Classification Matrices for Above Ground Structures and Groundwater and Soil Remediation Activities (Curry 1997), which provides the status of preliminary hazards classification process for the ER Project. This classification process is based on current DOE guidance for the classification of facilities and activities containing radionuclide and nonradiological hazardous material inventories.

4.3.5.5 Tri-Party Agreement Requirements

  - TPA.M.80.0 Complete PUREX and UO3 Plant facility transition phase and initiate the surveillance and maintenance phase. [Due Date: 7/31/1998]

4.3.5.6 Interfaces

TABLE 4-69 Surveillance & Maintenance Interfaces

Project Title	Project Number	Interface
Spent Nuclear Fuel Project	RL-WM01	Provides Safe & Compliant Deactivated 100 K Area Facilities
B-Plant	RL-TP01	Provides Deactivated B-Plant Facility
WESF	RL-TP02	Provides Deactivated Waste Encapsulation and Storage Facility
PUREX	RL-TP03	Provides Deactivated Plutonium Uranium Extraction Plant
300 Area/SNM	RL-TP04	Provides Deactivated 300 Area Fuel Supply System

TABLE 4-69 Surveillance & Maintenance Interfaces (Continued)

Project Title	Project Number	Interface
Hanford Surplus Facility Prog 300A Revitalization	RL-TP14	Provides Deactivated 331 Facility Provides Safe & Compliant Deactivated Misc Rad Facility Provides Safe & Compliant Deactivated 306W Facility Provides Safe & Compliant Deactivated 325 Facility Provides Safe & Compliant Deactivated 326 Facility Provides Safe & Compliant Deactivated 329 Facility
Landlord	RL-TP13	Provides Deactivated 3020 Facility Provides Deactivated Environmental Support Facilities Receives Initiate D&D of Evnironmental Support Facilities Receives Misc Eng Labs from S&M
200 Area Source Remedial Action	RL-ER02	Receives Safe & Compliant Deactived U Plant Receives Safe and Compliant Deactivated REDOX Facility
300 Area Source Remedial Action	RL-ER03	Receives 300 Area Fuel Supply System from S&M Receives 306W Facility from S&M Receives 308 Building from S&M Receives 325 Facility from S&M Receives 326 Facility from S&M Receives 329 Facility from S&M
Decontamination & Decommissioning	RL-ER06	Receives 100 K Area Facilities from S&M Receives 100-B Reactor from S&M Receives 100-C Reactor from S&M Receives 100-D Reactor from S&M Receives 100-DR Reactor from S&M Receives 100-F Reactor from S&M Receives 100-H Reactor from S&M Receives 100-KE Reactor from S&M Receives 100-KW Reactor from S&M Receives 100-N Reactor from S&M Receives 3020 Facility from S&M Receives B-Plant from S&M Receives Misc Rad Facilities from S&M Receives PUREX from S&M Receives Waste Encapsulation Storage Facility from S&M

4.3.5.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.3.6 Decontamination & Decommissioning

4.3.6.1 Project Description Summary

The Contractor provides the M&I of D&D of facilities assigned to the ER Project. The facilities are located throughout the Hanford Site.

The Contractor is responsible for the following:

-Managing and integrating the D&D of inactive facilities assigned to the ER Project

-Managing and integrating the interim safe storage and final disposition of the surplus reactors.

The Hanford Site contains many surplus facilities remaining from Pu production activities that were required by the U.S. Department of Defense from World War II through the Cold War. Those facilities are not aged and deteriorating. Because the facilities no longer have a production mission, they must be either maintained (to preserve their integrity) or removed to preclude the release of potentially hazardous substances into the accessible environment or detriorate creating unacceptably hazardous conditions for the workers who must maintain them.

The primary objective of the D&D Project is to cost effectivley control/eliminate potential environmental, human health, and safety hazards by maintaining and eventually dispositioning the surplus, inactive facilities at the Hanford Site.

The D&D efforts at the Hanford Site will proceed on a priority-based path that results in an expedient and cost-efficient transition of facilities to a safe and stable condition (including demolition) that presents no significant threat of release of hazardous substances to the environment, and no significant risk to human health.

Currently the D&D Project is organizationally a standalone project in the overall ER Project.

4.3.6.2 Life-Cycle Material and Waste Flow

Table 4-70 Decontamination & Decommissioning Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
NE Legacy Facilities	Asbestos	2001 - 2001	2.0	cubic meters

4.3.6.3 Facility Life-Cycle Requirements

- Requirements

  - All Reactors on the River Area buildings and structures (except 105-B, 105-DR, 105-F, 105-H, 105-KE, 105-KW, and 105-N reactor buildings) shall be decontaminated and decommissioned by Sep 30, 2031
  - Utilize the T-Plant complex as a central decontamination facility on the Hanford Site. This facility is permitted by the Washington Department of Ecology (Ecology) as a RCRA treatment and storage unit.

- Planning Assumptions

  - Facilities in Reactors on River Area - 4 Remove non-essential, surplus buildings and facilities that don’t have identified post-cleanup uses.
  - Facilities in South 600 Area - 10 Remove non-essential, surplus buildings and facilities that don’t have identified post-cleanup uses.

- Central Plateau processing facilities shall be entombed in place with co-disposal of waste materials
- Central Plateau processing facilities shall be entombed in place with co-disposal of waste materials
- Central Plateau facilities other than processing facilities shall be dismantled
- Central Plateau facilities other than processing facilities shall be dismantled.
- Transitioned facilities shall be decontaminated and decommissioned sufficiently to enable removal or closure through entombment
- Reactors on the River surplus facilities shall be removed or stabilized
- Legacy Nuclear Energy Facilities shall be deactivated.
- Facilities and systems that can not be used for other purposes, shall be removed, equipment and materials salvaged to offset the cost of final disposition.
- 224-T TRUSAF shall be maintained within the approved safety envelope.
- Operations and maintenance of the LERF shall be in accordance with the Liquid Effluent Retention Facility Final Hazard Categorization Report, HNF-SD-WM-SAD-040, and the Liquid Effluent Retention Facility Auditable Safety Analysis, HNF-SD-LEF-ASA-002.

4.3.6.4 Project Safety Authorization Basis/NEPA and Permits

The ER Project has prepared and will maintain BHI-00981, ERC Hazard Classification Matrices for Above Ground Structures and Groundwater and Soil Remediation Activities (Curry 1997), which provides the status of preliminary hazards classification process for the ER Project. This classification process is based on current DOE guidance for the classification of facilities and activities containing radionuclide and nonradiological hazardous material inventories.

4.3.6.5 Tri-Party Agreement Requirements

- TPA.M.16.0 Complete decontamination and decommissioning of all 100 Area buildings and structures (except 105-B, 105-D, 105-DR, 105-F, 105-H, 105-KE, 105-KW, and 105-N reactor buildings). [Due Date: 9/30/2031]

4.3.6.6 Interfaces

Clarifying comments on ERDF interface shown in the table below:

The rubble wastes from the D&D activities can have multiple paths for disposal, namely, ERDF and EXTERNAL interfaces. If the D&D activities is governed by CERCLA and meets the criteria of BH-00139, the waste will be authorized for disposal to ERD. If some of the D&D activities are being done as RCRA TSD facility closures, and are not acceptable for disposal to ERDF, the disposal of such D&D rubble wastes should have EXTERNAL interface.

No liquid waste or Navy submarine waste will be accepted by ERDF.

TABLE 4-71 Decontamination & Decommissioning Interfaces

Project Title	Project Number	Interface
Offsite Landfill	EXTERNAL	Receives NE Legacy Asbestos
Hazardous Waste Disposal Contracts	EXTERNAL	Receives PUREX Dangerous Waste
Solid Waste Treatment	RL-WM04	Provides Safe & Compliant Deactivated T-Plant Facility
Analytical Services	RL-WM06	Provides Safe & Compliant Deactivated 222-S Laboratory Facility Provides Safe & Compliant Deactivated WSCF Lab
Accelerated Deactivation	RL-TP10	Provides Deactivated 200 Area ETF Provides Deactivated 200 Area LERF Provides Deactivated 242-A Evaporator Provides Safe & Compliant Deactivated 222-S Laboratory Facility Provides Safe & Compliant Deactivated 2706-T Provides Safe & Compliant Deactivated M-33/M-91 Facility Provides Safe & Compliant Deactivated T-Plant Facility Provides Safe & Compliant Deactivated Transuranic Storage and Assay Facility Provides Safe & Compliant Deactivated WRAP Module 1
Surveillance & Maintenance	RL-ER05	Provides 100 K Area Facilities from S&M Provides 100-B Reactor from S&M Provides 100-C Reactor from S&M Provides 100-D Reactor from S&M Provides 100-DR Reactor from S&M Provides 100-F Reactor from S&M Provides 100-H Reactor from S&M Provides 100-KE Reactor from S&M Provides 100-KW Reactor from S&M Provides 100-N Reactor from S&M Provides 3020 Facility from S&M Provides B-Plant from S&M Provides Misc Rad Facilities from S&M Provides PUREX from S&M Provides Waste Encapsulation Storage Facility from S&M
ER Disposal Facility (ERDF)	RL-ER04	Receives 242-A Demolition Rubble Receives Rubble from 200 Area ETF Facility Receives Rubble from 222-S Lab Facility Demolition Receives Rubble from 242-A Evaporator Facility Demolition Receives Rubble from D&D of 100-B Reactor Facility Receives Rubble from D&D of 100-C Reactor Facility Receives Rubble from D&D of 100-D Reactor Facility Receives Rubble from D&D of 100-DR Reactor Facility Receives Rubble from D&D of 100-F Reactor Facility Receives Rubble from D&D of 100-H Reactor Facility Receives Rubble from D&D of 100-KE Reactor Facility Receives Rubble from D&D of 100-KW Reactor Facility Receives Rubble from D&D of 100-N Reactor Facility Receives Rubble from Dangerous Waste Storage Facility Demolition Receives Rubble from Demolished M-33/M-91 Facility Receives Rubble from Fast Flux Test Facility Demolition Receives Rubble from Misc. Rad Labs Demolition Receives Rubble from NE Legacy Facilities Demolition Receives Rubble from the 2706-T Facility for Disposition Receives Rubble from the CWC Facility Demolition Receives Rubble from the K-Basin Facility for Disposition Receives Rubble from the LERF Facility Demolition Receives Rubble from the TRU Storage and assay Facility Demolition Receives Rubble from Waste Sampling and Characterizatiion System Demolition Receives Rubble from WRAP Module 1 Facility Demolition
Advanced Reactors Transition	RL-TP11	Provides Safe & Compliant Deactivated NE Legacy Facilities

4.3.6.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.3.7 N Area Deactivation

4.3.7.1 Project Description Summary

The N-Area Deactivation activities delineated in Tri-party Agreement Interim Milestone M-16-01E has been completed as of July 1998. The completion is documented in DOE-RL letter dated July 31, 1998 by PM Pak and GH Sanders to MA Wilson, Program Manger Nuclear and Mixed Waste Program, State of Washington Department of Ecology.

The scope of the work tied to completion of the above milestone was originally defined in WHC-SP-0165. Necessary changes to the work scope which arouse throughout the implementation of the N-Area deactivation were communicated to and concurred with by the Ecology 100-N Area Project Manager. The acceptable end point condition of the 100-N Area facilities and systems which were designated to be deactivated are document in the report BHI-01130 Rev 0 "N Area Final Project Program Plan". This was approved by the Ecology 100-N Area Project Manager and previously transmitted to the Department of Ecology.

The deactivation task, in the plan cover the period of Fiscal year (FY) 1995 through FY-1998. Following tasks were included:
- Shutdown and isolation of operational systems and buildings (83 facilities)
- Clean up of radiological and hazardous waste (over 2265 cubic meters of solid waste and 6.4 millions liters of liquid waste)
- Clean out and stabilization of N Reactor Fuel Storage Basin (105-N Basin)
- Environmental stabilization of the facilities

4.3.8 ER Program Management and Support

4.3.8.1 Project Description Summary

The Contractor provides the M&I of the Program Management and Support activities for the ER Project. The Contractor is responsible for the following:

-Management and integration within the ER Project and with the PHMC Contractor.

The ER Project Management and Support provides the following:

-Overall quality program, including quality engineering and oversight

-Overall safety and health programs

-Environmental compliance programs

-Assessment and review of the implementation of these activities

-Overall management and implementation of technology applications, environmental sciences, regulatory support, and field services

-Development and maintenance of sample and data management systems

-Design engineering services

-Planning and integration

-Project controls and reporting

-Management and maintenance of cost and schedule control systems

-ERC performance measurement and administration

-Tri-Party Agreement support

-Public involvement and community relations

-Management and maintenance of procurement systems

-Management and maintenance of project records and document control

-Ecology/CERCLA grants

-RL sitewide assessment, regulatory oversight, and independent cost estimating.

Additional areas of responsibility include the following:

-Overall management/implementation of technology applications, environmental sciences, cultural resources, and regulatory support; development/maintenance of sample and data management systems; enhancement of environmental cultural plans, guidance, policies and procedures; design engineering services.

-Management/ maintenance of procurement and document control systems.

Implementation of public involvement and community relations programs.

-Management/maintenance of the cost/schedule control systems and project baseline; project reporting; planning and integration, ERC performance measurement and administration; (TA) support.

-Overall quality/safety and health program development and oversight; environmental compliance program and independent assessment.

-Ecology/CERCLA grants, RL sitewide assessments, regulatory oversight and independent cost estimating support.

4.3.9 Long Term Surveillance & Maintenance

4.3.9.1 Project Description Summary

The Contractor provides the M&I of long-term S&M of waste sites after completion of remediation and of the facilities after completion of D&D. The waste sites and facilities are located throughout the Hanford Site.

The Contractor is responsible for the following:

-Managing and integrating the S&M the waste sites and facilities

-Managing and integrating the transition within and to the ER Project of completed waste sites and facilities at the Hanford Site.

Upon completion of remediation of contaminated waste sites and/or surplus facilities, the areas will be restored to support future land uses. Site restoration will consist mainly of site contouring and revegetation efforts to stabilize the sites. Where appropriate, the sites will use seeds from local species for revegetation efforts. Upon completion of the revegetation efforts, the sites will enter the long-term S&M for monitoring the success of the revegetation efforts. Any revegetation efforts subsequent to those conducted at the end of remediation will be conducted in long-term S&M.

Currently, the long-term S&M Project is organizationally part of the S&M Project in the overall ER Project

4.3.9.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.3.9.3 Facility Life-Cycle Requirements

- Requirements

  - Transition to deactivation, deactivate and dismantle all facilities by 9/30/2016.

- Planning Assumptions

  - Central Plateau processing facilities shall be entombed in place with co-disposal of waste materials
  - Central Plateau facilities other than processing facilities shall be dismantled
  - Transitioned facilities shall be decontaminated and decommissioned sufficiently to enable removal or closure through entombment

4.3.9.4 Project Safety Authorization Basis/NEPA and Permits

The ER Project has prepared and will maintain BHI-00981, ERC Hazard Classification Matrices for Above Ground Structures and Groundwater and Soil Remediation Activities (Curry 1997), which provides the status of preliminary hazards classification process for the ER Project. This classification process is based on current DOE guidance for the classification of facilities and activities containing radionuclide and nonradiological hazardous material inventories.

4.3.9.5 Tri-Party Agreement Requirements

- None

4.3.9.6 Interfaces

TABLE 4-72 Long Term Surveillance & Maintenance Interfaces

Project Title	Project Number	Interface
PFP	RL-TP05	Provides Safe & Compliant Deactivated Plutonium Finishing Plant

4.3.9.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-96-92, Hanford Strategic Plan"
- HNF-3617, Rev 0, Hanford Site Integrated Stabilization Management Plan"

4.3.10 ER Disposal Facility (ERDF)

4.3.10.1 Project Description Summary

The Contractor provides the M&I of activities required to transport waste, operate the ERDF, and construct an additional disposal capacity as required to support the ER Project. The ERDF is in the center of the Hanford Site between the 200 East and 200 West Areas.

The Contractor is responsible for the following:

-Managing and integrating the transportation of waste from the remedial action waste sites to the ERDF

-Managing the operation and monitoring of the ERDF

-Managing and integrating the design and construction of additional disposal capacity for the ERDF

-Managing the interim and final closure of the ERDF.

The ERDF is a large-scale, evolving landfill, complete with ancillary facilities, designed to receive and isolate radioactive LLW, hazardous waste, or a combination thereof. The ERDF is designed to provide disposal capacity, as needed, to accommodate projected waste volumes over the next 20 to 30 years.

The ERDF is a RCRA-compliant landfill that is authorized under CERCLA. The initial two cells are21.3 meters (70 feet) deep, 304.8 meters (1000 feet) long 2 cells at 152.4 meters (500 feet), and152.4 meters wide. The cells are lined with a RCRA Subtitle C-type liner and have a leachate collection system.

The Environmental Restoration Waste Disposal Project will be followed by long-term monitoring to ensure disposal standards continue to be met.

The Environmental Restoration Waste Disposal Project is organizationally part of the overall Remedial Action and ER Waste Disposal Project.

4.3.10.2 Life-Cycle Material and Waste Flow

Table 4-73 ER Disposal Facility (ERDF) Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
ERDF	Waste Water	2000 - 2018	21500	cubic meters

4.3.10.3 Facility Life-Cycle Requirements

- Requirements

  - Each disposal system will have a design life of 50 years minimum; 20 years are required for the operational phase and 30 years for post-closure monitoring.
  - Solid wastes shall be dispositioned consistent with national policies for management of transuranic, low level, low level mixed and hazardous wastes.
  - Central Plateau gaseous effluent releases shall be monitored
  - Manage and operate the active solid waste disposal facilities on site (with the exception of the Environmental Restoration Disposal Facility [ERDF], operated by BHI). These disposal facilities include the active burial grounds for low-level waste and retrievable TRU, mixed waste trenches, and liquid effluent treatment facilities that dispose of treated liquid effluents. Activities include disposal of US Navy decommissioning radioactive waste in Hanford burial trenches and shipment of other waste offsite to other disposal facilities (WIPP, etc.).

- Planning Assumptions

- Central Plateau high cost surplus facilities shall be transitioned to a low cost, stable, deactivated condition
- Central Plateau processing facilities shall be entombed in place with co-disposal of waste materials
- Central Plateau facilities other than processing facilities shall be dismantled
- Transitioned facilities shall be decontaminated and decommissioned sufficiently to enable removal or closure through entombment
- ERDF shall be operated within the approved safety envelope
- Onsite low level mixed waste shall be dispositioned in the Central Plateau.
- Central Plateau facilities shall be maintained within the approved safety envelope

4.3.10.4 Project Safety Authorization Basis/NEPA and Permits

The ER Project has prepared and will maintain BHI-00981, ERC Hazard Classification Matrices for Above Ground Structures and Groundwater and Soil Remediation Activities (Curry 1997), which provides the status of preliminary hazards classification process for the ER Project. This classification process is based on current DOE guidance for the classification of facilities and activities containing radionuclide and nonradiological hazardous material inventories.

4.3.10.5 Tri-Party Agreement Requirements

- TPA.M.91.0 Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal of all Hanford Site TRU/TRUM, MLLW, and GTC3. [Due Date: TBD]

4.3.10.6 Interfaces

Clarifying comments on ERDF interface shown in the table below:

The rubble wastes from the D&D activities can have multiple paths for disposal, namely, ERDF and EXTERNAL interfaces. If the D&D activities are governed by CERCLA and meets the criteria of BH-00139, the waste will be authorized for disposal to ERD. If some of the D&D activities are being done as RCRA TSD facility closures, and are not acceptable for disposal to ERDF, the disposal of such D&D rubble wastes should have EXTERNAL interface.

No liquid waste or Navy submarine waste will be accepted by ERDF.

TABLE 4-74 ER Disposal Facility (ERDF) Interfaces

Project Title	Project Number	Interface
Immobilized Tank Waste Storage & Disposal	RL-TW09	Provides Rubble from the IHLW Storage Modules, Phase II Facility Demolition
Solid Waste Treatment	RL-WM04	Provides Rubble from Demolished M-33/M-91 Facility Provides Rubble from WRAP Module 1 Facility Demolition
Liquid Effluents	RL-WM05	Receives ERDF Leachate
Canister Storage Building Operations	RL-WM02	Provides Rubble from the 200 Area Interim Storage Facility Demolition Provides Rubble from the CSB Demolition

TABLE 4-74 ER Disposal Facility (ERDF) Interfaces (Continued)

Project Title	Project Number	Interface
Landlord	RL-TP13	Provides Facility Rubble from Environmental Support Facilities for Disposition Provides Facility Rubble from Misc Engineering Labs for Disposition Provides Rubble from CP Area Rail System Demolition Provides Rubble from CP Area Road System Demolition Provides Rubble from CP Electrical System Demoition Provides Rubble from CP Liquid Sanitory Waste System Demolition Provides Rubble from CP Office Facilities Demolition Provides Rubble from CP Raw Water System Demolition Provides Rubble from CP Shop Facilities Demolition Provides Rubble from CP Steam Plant Facilities Demolition Provides Rubble from CP Storage Facilities Demolition Provides Rubble from CP Telecommunication System Demolition Provides Rubble from South 600 Area Electrical System Demolition Provides Rubble from South 600 Area Land Demolition Provides Rubble from South 600 Area Liquid Sanitary Waste System Demolition Provides Rubble from South 600 Area Office Facilities Demolition Provides Rubble from South 600 Area Rail System Demolition Provides Rubble from South 600 Area Road System Demolition Provides Rubble from South 600 Area Shop Facilities Demolition Provides Rubble from South 600 Area Steam Plant Demolition Provides Rubble from South 600 Area Storage Facilities Demolition Provides Rubble from South 600 Area Telecommunication System Demolition Provides Rubble from South 600 Area Water Facilities Demolition Provides Rubble from the RR Electrical Supply Structures and Facilities Provides Rubble from the RR Liquid Sanitory Waste System Provides Rubble from the RR Rail System Provides Rubble from the RR Raw Water Supply System Provides Rubble from the RR Roads Provides Rubble from the RR Telecommunication System Provides Rubble from the Steam System
100 Area Source Remedial Action	RL-ER01	Provides ER CH LLMW I Disposed Provides ER RR SOIL SITE, CH-LLMW-I Provides ER RR SOIL SITE, CH-LLW-I
200 Area Source Remedial Action	RL-ER02	Provides Rubble from the REDOX D&D Operatios Provides Rubble from the U-Plant D&D Operations
300 Area Source Remedial Action	RL-ER03	Provides Rubble from 300 Area Fuel Supply System Demolition Provides Rubble from 306W Building Demolition Provides Rubble from 307 Liquid Waste Transfer Facility Demolition Provides Rubble from 308 Building Demolition Provides Rubble from 309 Building Demolition Provides Rubble from 324 Building Demolition Provides Rubble from 325 Building Demolition Provides Rubble from 326 Building Demolition Provides Rubble from 327 Facility Demolition Provides Rubble from 329 Building Demolition Provides Rubble from 340 Waste Handling Facility Demolition

TABLE 4-74 ER Disposal Facility (ERDF) Interfaces (Continued)

Project Title	Project Number	Interface
Decontamination & Decommissioning	RL-ER06	Provides 242-A Demolition Rubble Provides Rubble from 200 Area ETF Facility Provides Rubble from 222-S Lab Facility Demolition Provides Rubble from 242-A Evaporator Facility Demolition Provides Rubble from D&D of 100-B Reactor Facility Provides Rubble from D&D of 100-C Reactor Facility Provides Rubble from D&D of 100-D Reactor Facility Provides Rubble from D&D of 100-DR Reactor Facility Provides Rubble from D&D of 100-F Reactor Facility Provides Rubble from D&D of 100-H Reactor Facility Provides Rubble from D&D of 100-KE Reactor Facility Provides Rubble from D&D of 100-KW Reactor Facility Provides Rubble from D&D of 100-N Reactor Facility Provides Rubble from Dangerous Waste Storage Facility Demolition Provides Rubble from Demolished M-33/M-91 Facility Provides Rubble from Fast Flux Test Facility Demolition Provides Rubble from Misc. Rad Labs Demolition Provides Rubble from NE Legacy Facilities Demolition Provides Rubble from the 2706-T Facility for Disposition Provides Rubble from the CWC Facility Demolition Provides Rubble from the K-Basin Facility for Disposition Provides Rubble from the LERF Facility Demolition Provides Rubble from the TRU Storage and assay Facility Demolition Provides Rubble from Waste Sampling and Characterizatiion System Demolition Provides Rubble from WRAP Module 1 Facility Demolition

4.3.10.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- HNF-EP-0063, Hanford Site Solid Waste Acceptance Criteria"
- WHC-EP-0063, Hanford Site Solid Waste Acceptance Criteria"

4.3.11 Site-Wide Groundwater/Vadose Zone Integration Project

4.3.11.1 Project Description Summary

The Groundwater/Vadose Zone Integration Project was established to support ;Hanford Site decisions by providing assessments about the cumulative impacts of Hanford Site waste on living systems. The projects objectives are as follows:

. Credibly assess the cumulative effects of Hanford-related contamination on (a) human health, (b) the environment, (c) the local and regional economy, and (d) ethnic subcultures over the timeframes of interest.

. Provide a sound basis for Hanford’s cleanup decisions and actions by ensuring that these impact assessments are well founded in science and technology.

. Integrate all work affecting assessments of the cumulative effects of Hanford-derived contamination.
. Ensure that technical reviews and management oversight are applied to optimize all Hanford work related to the cleanup and protection of water resources.
. Foster productive involvement by all affected parties interested in assuring the Hanford's cleanup decisions and actions adequately consider cumulative impacts.

4.3.11.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.3.11.3 Facility Life-Cycle Requirements

There are no facilities allocated to this project.

- Requirements

  · None

- Planning Assumptions

  · None

4.3.11.4 Project Safety Authorization Basis/NEPA and Permits

Not applicable.

4.3.11.5 Tri-Party Agreement Requirements

· None

4.3.11.6 Interfaces

Interfaces will be established with projects having the potential to release significant contamination to the Hanford Site subsurface. Specific interfaces and associated requirements are TBD.

4.3.11.7 Requirements References

· None

Concurrence: RF Christensen 7/13/99
R. F. Christensen, Director
Science and Technology
Operations Division,
U.S. Department of Energy,
Richland Operations Office

Approved by: for RMR 7/13/99
R. M. Rosselli
Assistant Manager for
Science and Technology,
U.S. Department of Energy,
Richland Operations Office

4.4 PACIFIC NORTHWEST NATIONAL LABORATORY WASTE MANAGEMENT PROJECT

The purpose of the Pacific Northwest National Laboratory (PNNL) Waste Management and Operational Compliance Program is to provide waste management services and compliant operations in support of science and technology development for the multi-program needs of the DOE Complex.

4.4.a Project Structure

- PNNL Waste Management (RL-ST01)

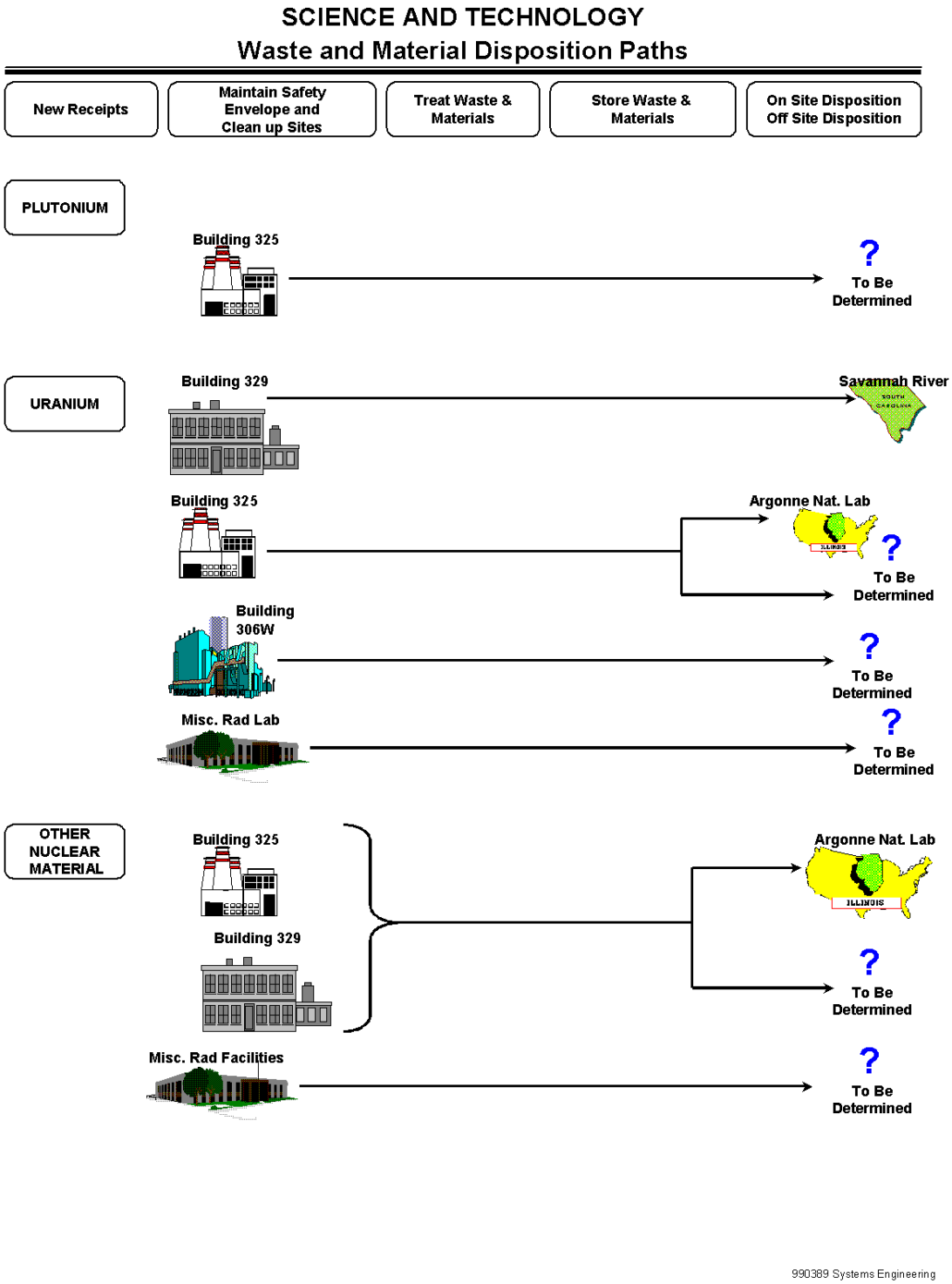
4.4.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- The 300 Area waste sites, materials and facilities will be remediated to allow industrial and economic diversification opportunities. The Federal government will retain ownership of land in and adjacent to the 300 and 400 Areas, but will lease land for private and public uses to support regional industrial and economic development. Excess land within the 1100 Area will be targeted for transition to non-Federal ownership.
- Contaminated soil sites will be treated to levels supportive of future use targets or regulator-specified levels for each geographic area as prescribed by CERCLA/RCRA decisions.
- Solid wastes will be dispositioned consistent with national policies for management of transuranic, low level, low level mixed and hazardous wastes. Hanford will continue to receive onsite and offsite wastes for disposal in the 200 Area.
- Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.
- Surplus facilities will be decommissioned and decontaminated sufficiently to enable removal or closure through entombment.

4.4.c Technical Logic

Figure 4-9 PNNL Waste Management Material/Flow Logic



4.4.d Facility Life-Cycle Responsibility Assignments

Generally, the surveillance and maintenance activities for all facilities at PNNL are funded through overheads generated from the various research programs in each facility with one exception. Project Baseline Summary (PBS) RL-ST01 provides for minimum safe, essential surveillance and maintenance and safe containment of radioactive materials in the 325 Building (Radiochemical Processing Laboratory) and also in surplus legacy facilities until transferred to the appropriate EM program for final disposition. However, for simplicity, the PBS RL-ST01 is shown in this table to designate the O&M responsibility for all DOE facilities assigned to PNNL.

Landlord support for capital improvement will include the following buildings: 318, 325, 3730, 3760, 2718E, 318 Tr. 4, 622A, 622B, 622C, 622R, 747A and 747A Tr.1.

Table 4-75 Science & Technology Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
Misc Engineering Laboratories	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
332	RL-ST01				RL-ST01	RL-ST01 RL-TP13	
336	RL-ST01				RL-ST01	RL-TP13	RL-ER06 RL-ER07
338	RL-ST01				RL-ST01	RL-TP13	RL-ER06 RL-ER07
325 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
326 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
329 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
306W	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
Misc Radiological Facilities	RL-ST01 RL-TP14				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
2718E	RL-ST01				RL-ST01	RL-TP10	RL-ER06
303C	RL-ST01				RL-ST01	RL-TP14	RL-ER06
305B	RL-ST01				RL-ST01	RL-TP14	RL-ER03
314	RL-ST01					RL-TP14	RL-ER06
314B	RL-ST01				RL-ST01	RL-TP14	RL-ER06
318	RL-ST01				RL-ST01	RL-TP14	RL-ER06 RL-ER07
320	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
323	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3708	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3720	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3730	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3731A	RL-ST01					RL-TP14	RL-ER03
3745	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3745B	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
331	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331A	RL-ST01						RL-ER06
331B	RL-ST01					RL-TP14	RL-ER06
331C	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331D	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331 Dog Run	RL-ST01					RL-TP14	RL-ER06

Table 4-75 Science & Technology Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
331G	RL-ST01				RL-ST01	RL-TP14	RL-ER06
331H	RL-ST01				RL-ST01	RL-TP14	RL-ER06
3020 Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
Environmental Support Facilities	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
RoR Environmental Support Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
100EMS	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
1614-D-3	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
CP Environmental Support Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
213J	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
614	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
614BYRL	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
622A	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
622B	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
622C	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
622R					RL-ST01 RL-TP13	RL-TP13	RL-TP13
S600 Environmental Support Facility	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
6652C	RL-ST01					RL-ST01	RL-TP13
6652CSHED	RL-ST01					RL-ST01	RL-TP13
6652D	RL-ST01					RL-ST01	RL-TP13
6652DOME1	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
6652DOME2	RL-ST01					RL-ST01	RL-TP13
6652E	RL-ST01				RL-ST01 RL-TP13	RL-ST01	RL-TP13
6652G	RL-ST01					RL-ST01	RL-TP13
6652H	RL-ST01				RL-ST01	RL-TP10	RL-ER02
6652I	RL-ST01					RL-ST01	RL-TP13
6652J	RL-ST01					RL-ST01	RL-TP13
6652L	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
6652M	RL-ST01					RL-ST01	RL-TP13
6652T (6652LP)						RL-ST01	RL-TP13
6652UP	RL-ST01					RL-ST01	RL-TP13
300EMS	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
400EMS	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
300LYS	RL-ST01				RL-ST01	RL-ST01	RL-ER03
3614A	RL-ST01					RL-ST01 RL-TP13	RL-TP13
747A	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
747A Tr1	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
303J	RL-ST01				RL-ST01 RL-TP13	RL-ST01 RL-TP13	RL-TP13
3718A	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3718B	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13

Table 4-75 Science & Technology Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
3718P	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3718S	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3731	RL-ST01				RL-ST01		RL-ER03
337	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3760	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3762	RL-ST01				RL-ST01		RL-ER03
3764	RL-ST01				RL-ST01		RL-ER03
3767	RL-ST01						
MO226	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
350	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
350A	RL-ST01				RL-ST01		RL-ER03
350B	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
350C	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
350D	RL-ST01				RL-ST01		RL-ER03

* RL PBS Identifier Index:

RL-ER02 - 200 Area Source Remedial Action
RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-ST01 - PNNL Waste Management
RL-TP10 - Accelerated Deactivation
RL-TP13 - Landlord
RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization

TABLE 4-76 Science & Technology Facility Life-Cycle Responsibility Assignments for Waste Sites

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
S600 Soil Site Operable Units	Active		RL-ER03 RL-ER05	RL-ER03 RL-ER07
332 SF, 332 Storage Facility, 332 Hazardous Waste Storage Area, 332 Interim Holding Facility	Closed Out	RL-ST01		
300-14, 331 Building Animal Waste Tanks Pit	Rejected	RL-ST01		RL-ER03
300-163, 3708 Building Steam Condensate, Miscellaneous Stream #423	Rejected	RL-ST01		
300-186, 3730 Building Steam Condensate, Miscellaneous Stream #383	Rejected	RL-ST01		
300-187, 3730 Building Steam Condensate, Miscellaneous Stream #421	Rejected	RL-ST01		
300-188, 3730 Building Steam Condensate, Miscellaneous Stream #420	Rejected	RL-ST01		
300-189, 3731 Building Steam Condensate, Miscellaneous Stream #269	Rejected	RL-ST01		
300-196, 3745 Building Steam Condensate, Miscellaneous Stream #399	Rejected	RL-ST01		
300-197, 3745 Building Steam Condensate, Miscellaneous Stream #398, Injection Well #5	Rejected	RL-ST01		
300-198, 3745 Building Steam Condensate, Miscellaneous Stream #397, Injection Well #1	Rejected	RL-ST01		
300-199, 3745B Building Steam Condensate, Miscellaneous Stream #380	Rejected	RL-ST01		
300-200, 3745B Building Steam Condensate, Miscellaneous Stream #379	Rejected	RL-ST01		
300-201, 3762 Building Steam Condensate, Miscellaneous Stream #491, Injection Well #42	Rejected	RL-ST01		
300-203, 377 Building Steam Condensate, Miscellaneous Stream #446, Injection Well #36	Rejected	RL-ST01		

TABLE 4-76 Science & Technology Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
300-212, MO010 Building Steam Condensate Sump, Miscellaneous Stream #400	Rejected	RL-ST01		
300-58, 305B Steam Condensate Injection Well, Miscellaneous Stream #449	Rejected	RL-ST01		
300-62, 303C Building - Steam Condensate, Miscellaneous Stream #495	Rejected	RL-ST01		
300-65, 303J Building - Steam Condensate Mud Leg (Part of 300 Main Supply), Miscellaneous Stream #266	Rejected	RL-ST01		
300-66, 303J Building HVAC Condensate, Miscellaneous Stream #267	Rejected	RL-ST01		
300-76, 306W Building Steam Condensate, Miscellaneous Stream #418	Rejected	RL-ST01		
300-85, 323 Building Steam Valve Pit, Miscellaneous Stream #453	Rejected	RL-ST01		
300-88, 320 Building Irrigation Line Effluent, Miscellaneous Stream #626	Rejected	RL-ST01		
300-89, 320 Building Irrigation Line Effluent, Miscellaneous Stream #627	Rejected	RL-ST01		
300-90, 320 Building Irrigation Line Effluent, Miscellaneous Stream #628	Rejected	RL-ST01		
300-91, 320 Building, Miscellaneous Stream #350	Rejected	RL-ST01		
300-96, 325 Building Steam Condensate, Miscellaneous Stream #707	Rejected	RL-ST01		
300-99, 325 Building Nitrogen Tank Blowdown Miscellaneous Stream #265, Injection Well #399-3	Rejected	RL-ST01		
350 HWSA, 350 Building Hazardous Waste Storage Area, 350-D Hazardous Waste Staging Area	Rejected	RL-ST01		RL-ER03
BTTF, Biological Treatment Test Facilities	Closed Out	RL-ST01		
PCTTF, Physical and Chemical Treatment Test Facilities	Closed Out	RL-ST01		
TTTF, Thermal Treatment Test Facilities	Closed Out	RL-ST01		
UPR-300-43, 300 Area Solvent Refined Coal Spill, UN-300-43	Rejected	RL-ST01		RL-ER03

The 'Rejected' and 'Completed' waste sites are part of the Project Hanford Management Contract (PHMC), but require no additional work from the PHMC team. When they are removed from the contract via direction from the RL Contracting Officer representative, they will be removed from this specification.

* RL PBS Identifier Index:

RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER07 - Long Term Surveillance & Maintenance
RL-ST01 - PNNL Waste Management

4.4.e Performance Measures

Performance measures are used to monitor both mission and corporate management. In this document, our focus is on mission management. There are two types of mission-focused performance measures. First, there are performance measures that monitor the progress made on activities that must be completed to enable a key step in waste/material cleanup to occur. For PNNL Waste Management, these activities may involve such items as facility and system upgrades, obtaining regulatory permits, the negotiation of waste disposal contracts, and operations of the TSD facility.

Second, there are performance measures that track the progress made in the processing of wastes and other materials (including facilities). These "process" measures monitor changes in waste/material form, storage method, and location. These measures are important because they are directly linked to two key Success Indicators - the reduction in the level of active management required for the inventory and the reduction in the hazard posed by the waste/material. Process measures will monitor the waste/material during each major processing step as the material transitions from its initial configuration to the configuration described by the appropriate endpoint target. For some types of wastes, endpoint targets are presented in the Hanford Strategic Plan and are included in the Facility Life-Cycle Requirements

Section for the project. For waste materials that do not have explicit endpoint targets, performance measures will monitor the processing and movement of wastes that are conducted to achieve appropriate performance objectives (as presented in Multi-Year Work Plans).

4.4.1 PNNL Waste Management

4.4.1.1 Project Description Summary

The following is a summary of work performed:

1. The DOE-EM research laboratory facilities assigned to PNNL needed for science and technology development are maintained in a minimum safe condition, and the required monitoring of these facilities is performed. This Base Operations activity covers the essential surveillance and maintenance (S&M) of facilities and essential building systems required for the safe containment of radioactive materials utilized at PNNL. The facilities are maintained in a manner that maximizes their availability to support science and technology development projects without interruption.

2. The waste management infrastructure required to manage the packaging and disposal of DOE's solid wastes that are currently generated at PNNL is included. Also included is support necessary to manage DOE's liquid and air effluents at PNNL to meet compliance and effluent discharge system operating requirements, and control risks from unregulated effluents.

3. Operational compliance services for PNNL are provided to meet regulatory requirements and operating permits associated with DOE's site-wide waste management program including environment, safety and health regulations. These infrastructure capabilities are funded by EM to ensure that PNNL is responsive to waste management regulations and to ensure the support of PNNL for the Hanford cleanup effort. This collaborative effort between contractors, in accordance with EM standards, ensures economies of scale are realized on site-wide issues and eliminates redundant and potentially conflicting approaches by various site contractors.

4. All legacy waste and contamination resulting from projects conducted within DOE facilities and ground contamination sites currently assigned to PNNL are to be identified, characterized, and ultimately remedied.

4.4.1.2 Life-Cycle Material and Waste Flow

Table 4-77 PNNL Waste Management Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
Misc Engineering Laboratories	Industrial Waste Water	2000 - 2030	308000	cubic meters
325 Facility	Depleted Uranium (DU)	2000 - 2000	0.01	kilograms
	HLW	2000 - 2018	357.0	cubic meters
	Industrial Waste Water	2000 - 2030	61600	cubic meters
	Low Enriched Uranium (LEU)	2000 - 2000	150.0	kilograms
	Misc NF	2001 - 2001	10.5	kilograms
	Misc NM	2000 - 2000	0.06	kilograms
	Misc SNM	2000 - 2000	0.045	kilograms
	Natural Uranium (NU)	2000 - 2000	2.0	kilograms
	Plutonium (Pu)	2000 - 2001	0.204	kilograms
326 Facility	Industrial Waste Water	2000 - 2030	24600	cubic meters

Table 4-77 PNNL Waste Management Waste/Material Flow (Out) (Continued)

Major Facility	Category	Period	Value	Units
329 Facility	Industrial Waste Water	2000 - 2030	308000	cubic meters
	Misc NM	2000 - 2000	100.0	kilograms
306W	Industrial Waste Water	2000 - 2007	99400	cubic meters
	Low Enriched Uranium (LEU)	2001 - 2001	2.0	kilograms
Misc Radiological Facilities	CH LLMW III	2000 - 2010	96.0	cubic meters
	CH TRU	2000 - 2010	6.8	cubic meters
	Depleted Uranium (DU)	2008 - 2008	10.0	kilograms
	Highly Enriched Uranium (HEU)	2008 - 2008	0.01	kilograms
	Industrial Waste Water	2000 - 2030	1740000	cubic meters
	Low Enriched Uranium (LEU)	2000 - 2008	1260	kilograms
	Misc NM	2001 - 2008	294.0	kilograms
	Natural Uranium (NU)	2008 - 2008	5.0	kilograms
	Plutonium (Pu)	2008 - 2008	0.003	kilograms
	RH LLMW III	2000 - 2010	19.7	cubic meters
331 Facility	Industrial Waste Water	2000 - 2030	1230000	cubic meters

4.4.1.3 Facility Life-Cycle Requirements

- Requirements

  - Solid wastes shall be dispositioned consistent with national policies for management of transuranic, low level, low level mixed and hazardous wastes.

- Planning Assumptions

  - Contaminated soil sites will be treated to levels supportive of future use targets or regulator-specified levels for each geographic area as prescribed by CERCLA/RCRA decisions.
  - Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.
  - Surplus facilities will be decommissioned and decontaminated sufficiently to enable removal or closure through entombment.
  - South 600 Area facilities shall be surveilled and maintained within the approved safety envelope.
  - 300 Area facilities shall be surveilled and maintained within the approved safety envelope.
  - 325 facility shall be maintained within the approved safety envelope.
  - 325 facility shall be operated within the approved safety envelope.
  - 326 facility shall be maintained within the approved safety envelope.
  - 326 facility shall be operated within the approved safety envelope.
  - 329 facility shall be maintained within the approved safety envelope.
  - 329 facility shall be operated within the approved safety envelope.
  - 306W facility shall be maintained within the approved safety envelope.
  - 306W facility shall be operated within the approved safety envelope.
  - 331 facility shall be maintained within the approved safety envelope.
  - 331 facility shall be operated within the approved safety envelope.
  - Hanford Surplus Facility Program special nuclear materials contained in various buildings shall be surveilled and maintained within the approved safety envelope.
  - 300 Area nuclear materials shall be remediated.

4.4.1.4 Project Safety Authorization Basis/NEPA and Permits

Some project work will be performed in the Radiochemical Processing Laboratory (RPL, i.e., the 325 Building), a Category II Nuclear Facility. The RPL is PNNL's only nuclear facility. The Authorization Basis for this facility is:

- "Safety Analysis Report for the Radiochemical Processing Laboratory," PNNL-SAR-RPL
- "Technical Safety Requirements for the Radiochemical Processing Laboratory," PNNL-TSR-RPL
- RL Safety Evaluation Report (SER) for the RPL SAR and TSRs.

Safety policies, programs, and procedures that provide controls for other PNNL non-nuclear facilities are defined and implemented through PNNL's Standards-Based Management System (SBMS).

Although no programmatic NEPA documentation addresses the overall Pacific Northwest research and technology development mission or EM facilities operated by the Laboratory, Pacific Northwest shall continue to review all proposed activities on a project-by-project basis to ensure compliance with NEPA.

4.4.1.5 Tri-Party Agreement Requirements

The PNNL Waste Management Project provides support to achieve the following milestones:

- TPA.M.92.0 Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford Site Cesium and Strontium capsules (Cs/Sr), bulk Sodium (Na), and 300 Area Special Waste (SCW). [Due Date: TBD]
- TPA.M.92.15 TPA Milestone M-92-15 Complete removal and transfer, and initiate storage of Phase II 300 Area SCW and materials. Phase II inventory will consist of, at minimum, half of the remaining curie content of 300 Area SCW waste and materials by September 30, 2004.
- TPA.M.92.16 TPA Milestone M-92-16 complete removal and transfer, and initiate storage of Phase III 300 Area SCW and materials by September 30, 2006.

4.4.1.6 Interfaces

TABLE 4-78 PNNL Waste Management Interfaces

Project Title	Project Number	Interface
Oak Ridge National Laboratory	EXTERNAL	Receives 329 Misc NM Receives Misc Rad Facility Misc NM
Argonne National Laboratory - East	EXTERNAL	Receives 325 Low Enriched Uranium Receives 325 Misc NM
Offsite Landfill	EXTERNAL	Receives Solid Sanitary Waste from Environmental Support Facility

TABLE 4-78 PNNL Waste Management Interfaces (Continued)

Project Title	Project Number	Interface
Hanford Legacy	EXTERNAL	Provides Legacy 306W Depleted Uranium Provides Legacy 329 Low Enriched Uranium Provides Legacy 329 Plutonium Provides Legacy Misc Rad Facility Misc SNM
Tank Farm Operations	RL-TW03	Receives 325 Building, HLW
Solid Waste Storage & Disposal	RL-WM03	Receives PNNL, CH-LLMW-III Receives PNNL, CH-TRU Receives PNNL, RH-LLMW-III
Liquid Effluents	RL-WM05	Receives 306W Industrial Waste Water Transfers Receives 325 Potentially Contaminated Waste Water Receives 326 Building Process Sewer Industrial Waste Water Transfer Receives 326 Potentially Contaminated Waste Water Receives 329 Building Process Sewer Industrial Waste Water Transfer Receives 329 Potentially Contaminated Waste Water Receives 331 Complex Industrial Waste Water Transfer Receives 338 Industrial Waste Water Receives Misc Rad Facility Industrial Waste Water Transfers
Hanford Surplus Facility Prog 300A Revitalization	RL-TP14	Receives Excess 306W Facility Receives Excess 325 Building Receives Excess 326 Building Receives Excess 329 Building Receives Excess 331 Facility Receives Excess Misc. Rad Labs
Landlord	RL-TP13	Receives Excess Environmental Support Facilities

4.4.1.7 Requirements References

- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"
- HNF-EP-0063, Hanford Site Solid Waste Acceptance Criteria"
- WHC-EP-0063, Hanford Site Solid Waste Acceptance Criteria"

Concurrence: for O. A. Farabee, Director, 10/14/99
FFTF Standby Project Office,
U.S. Department of Energy,
Richland Operations Office

4.5 ART PROJECT

The ART Project mission is to manage and deactivate the FFTF and FMEF, the Nuclear Energy Legacy alkali metal test facilities, and the Plutonium Recycle Test Reactor (PRTR)/309 Building. The FFTF is being maintained in a standby condition, pending a DOE decision on the potential for a future mission, and only limited deactivation is being performed.

The ART Project scope includes all activities needed to (1) maintain the facilities within their approved safety envelope, (2) disposition radioactive and nonradioactive Na from the designated facilities, (3) remove nuclear materials from the FFTF, (4) remove spent nuclear fuel from the FFTF, (5) remove or stabilize and characterize hazardous and radioactive materials in the designated facilities, (6) make useable facilities available for alternative uses, and (7) establish non-useable facilities in a condition requiring minimal S&M during the interim period until final D&D is accomplished. In accomplishing this scope, the ART Project will perform the following activities.

- Protect the health and safety of the public, workers, and the environment.
- Maintain compliance with ES&H codes and standards during deactivation and establish a safe and environmentally secure configuration that is easily maintained until final D&D.
- Maintain safe, secure, and compliant storage of SNM/NM/NF.
- Conduct work in accordance with the Tri-Party Agreement; local, national, international, and other agreements; and in compliance with applicable federal, state, and local laws.
- Develop detailed facility deactivation plans, end point criteria, and regulatory documentation.
- Implement cost-effective, innovative approaches to ensure the required safety envelope is defined and maintained during deactivation.
- Complete deactivation and turnover of subprojects within approved baseline schedules.
- Apply lessons learned from other deactivation projects.
- Seek beneficial uses for facilities, equipment, and materials (all types) and resources.

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

The second mission, funded by DOE-NE, is to maintain the Fast Flux Test Facility (FFTF) and affiliated 400 Area buildings in a safe and compliant standby condition, maintain the condition of the plant hardware, software and personnel in a manner not to preclude a plant restart, and to support the EIS contractor as requested by providing technical information and analyses.

4.5.a Project Structure

- Advanced Reactors Transition (RL-TP11)
- FFTF Project (RL-MS01)

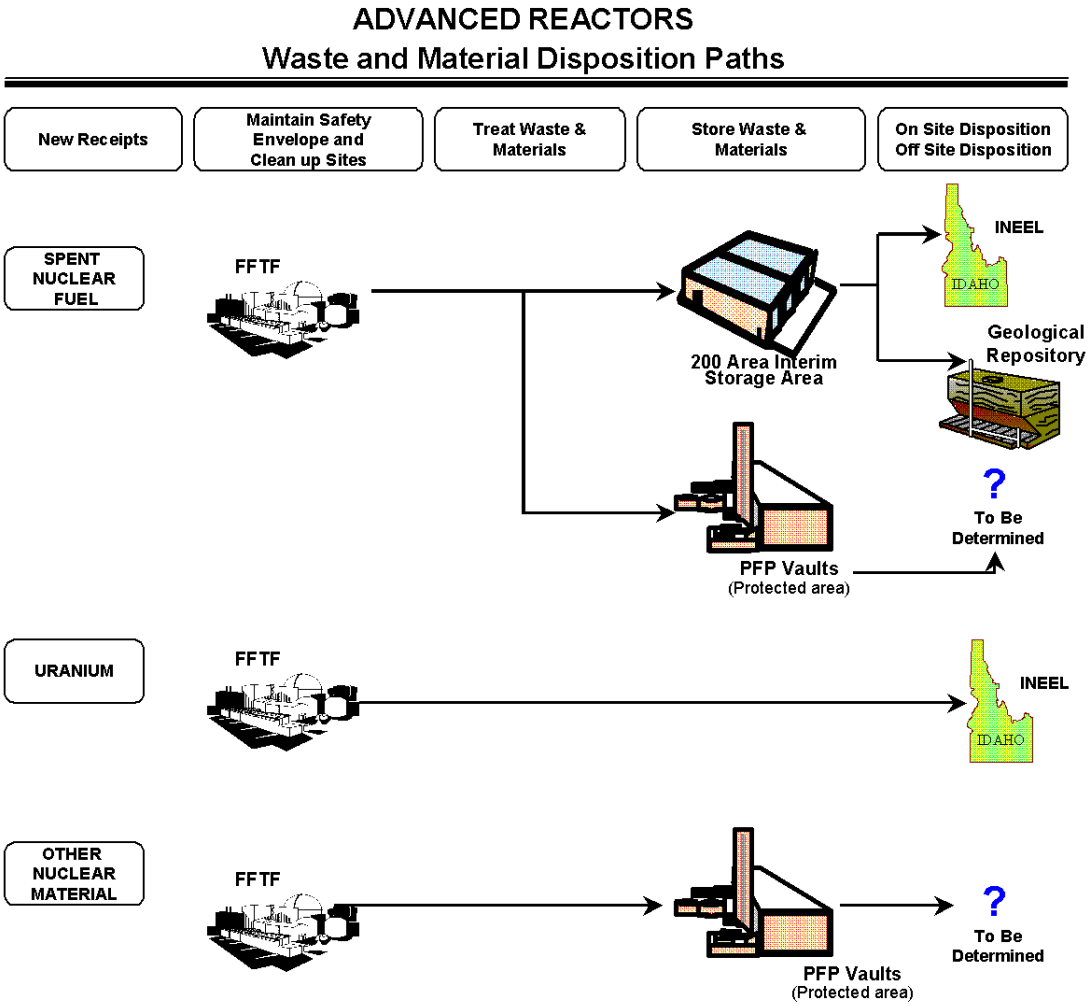
4.5.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- The 300 Area waste sites, materials and facilities will be remediated to allow industrial and economic diversification opportunities. The Federal government will retain ownership of land in and adjacent to the 300 and 400 Areas, but will lease land for private and public uses to support regional industrial and economic development. Excess land within the 1100 Area will be targeted for transition to non-Federal ownership.
- Safe, stable, secure onsite storage will be provided for all nuclear materials pending decisions on final disposition or until beneficial offsite uses are identified. Facilities without identified future uses will be transitioned to low-cost, stable deactivated conditions (requiring minimal surveillance and maintenance) pending eventual D&D and removal or closure.

4.5.c Technical Logic

Figure 4-10 Advanced Reactors Transition Material/Flow Logic



Note:
1.) Quantities are based on FY97 and FY98 actuals, plus the planned lifecycle quantities beyond FY99, based upon the FY2000 Multi-Year Work Plan.
2.) All quantities are rounded to the third significant digit.
3.) Stream ID's are for internal (SE) tracking purposes only.

Advanced Reactors 11-09-99.ppt 990380
Systems Engineering - Sandy Bradford

4.5.d Facility Life-Cycle Responsibility Assignments

Table 4-79 Advanced Reactors Transition Project Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
FFTF	RL-MS01				RL-MS01	RL-ER05 RL-MS01	RL-ER06 RL-ER07
403	RL-MS01				RL-MS01	RL-MS01	RL-ER06
405	RL-MS01				RL-MS01	RL-MS01	RL-ER06
408A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
408B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
408C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
409A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
409B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
432A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
440	RL-MS01				RL-MS01	RL-MS01	RL-ER06
453A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
453B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
453C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4621E	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4621W	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4703	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4717	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4717A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4718	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4721	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4734A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
483	RL-MS01				RL-MS01	RL-MS01	RL-ER06
484	RL-MS01				RL-MS01	RL-MS01	RL-ER06
491E	RL-MS01				RL-MS01	RL-MS01	RL-ER06
491S	RL-MS01				RL-MS01	RL-MS01	RL-ER06
491W	RL-MS01				RL-MS01	RL-MS01	RL-ER06
402	RL-MS01				RL-MS01	RL-MS01	RL-ER06
427	RL-MS01				RL-MS01	RL-MS01	RL-ER06
427A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
436	RL-MS01				RL-MS01	RL-MS01	RL-ER06
437	RL-MS01				RL-MS01	RL-MS01	RL-ER06
451A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4701A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4701C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4710	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4713A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4713B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4713C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4713D	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4716	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4726	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4727	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4732A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4732B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4732C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4791TC	RL-MS01				RL-MS01	RL-MS01	RL-ER06
480A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
480B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
480D	RL-MS01				RL-MS01	RL-MS01	RL-ER06
481	RL-MS01				RL-MS01	RL-MS01	RL-ER06
481A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
482A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
482B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
482C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
483A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
483B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4802	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4814	RL-MS01				RL-MS01	RL-MS01	RL-ER06

Table 4-79 Advanced Reactors Transition Project Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
4831	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4842A	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4842B	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4862	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4734C	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4718TC	RL-MS01				RL-MS01	RL-MS01	RL-ER06
4622	RL-MS01					RL-MS01	RL-ER06
309 Facility	RL-TP11					RL-ER05 RL-TP11	RL-ER06
NE Legacy Facilities	RL-TP11					RL-TP11	RL-ER05
335 Sodium Test Facility	RL-TP11					RL-TP11 RL-TP14	RL-ER05
337B	RL-TP11					RL-TP11 RL-TP14	RL-ER05
3718M	RL-TP11					RL-TP11 RL-TP14	RL-ER05

* RL PBS Identifier Index:

RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-MS01 - FFTF Project
RL-TP11 - Advanced Reactors Transition
RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization

TABLE 4-80 Advanced Reactors Transition Project Facility Life-Cycle Responsibility Assignments for Waste Sites

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
CP Soil Site Operable Units	Active		RL-ER02 RL-ER05	RL-ER02 RL-ER07
221-T CSTF, 221-T Containment System Test Facility, T Plant Laboratory, 221-T Head End	Closed Out		RL-TP11	RL-ER02
S600 Soil Site Operable Units	Active		RL-ER03 RL-ER05	RL-ER03 RL-ER07
300-72, 308 Building Stormwater Runoff, Miscellaneous Stream #404	Rejected		RL-TP11	
300-73, 308 Building Stormwater Runoff, Miscellaneous Stream #405	Rejected		RL-TP11	
300-74, 308 Building Stormwater Runoff, Miscellaneous Stream #406	Rejected		RL-TP11	
300-77, 309 Building Stormwater Runoff, Miscellaneous Stream #450	Rejected		RL-TP11	
300-87, 309 Building Stormwater Runoff, Miscellaneous Stream #679	Rejected		RL-TP11	
400 FD10, 400 Area French Drain 10, 482A Building - T-58 Stormwater, Miscellaneous Stream #25, Injection Well #10	Rejected	RL-MS01		RL-ER03
400 FD10A, 400 Area French Drain 10A, 482A Building -T-87 Stormwater, Miscellaneous Stream #24, Injection Well #10A	Rejected	RL-MS01		RL-ER03
400 FD1A, 400 Area French Drain 1A, 4717 Reactor Service Building HVAC Condensate, Miscellaneous Stream #14, Injection Well #1A	Rejected	RL-MS01		RL-ER03
400 FD1B, 400 Area French Drain 1B, 4703 Building (FFTF Control Building) HVAC Condensate, Miscellaneous Stream #15, Injection Well #1B	Rejected	RL-MS01		RL-ER03
400 FD2, 400 Area French Drain 2, 4621E Building HVAC Condensate and Stormwater, Miscellaneous Stream #16, Injection Well #02	Rejected	RL-MS01		RL-ER03
400 FD3, 400 Area French Drain 3, 408A East Dump Heat Exchanger Stormwater, Miscellaneous Stream #17, Injection Well #03	Rejected	RL-MS01		RL-ER03
400 FD4, 400 Area French Drain 4, 491E Heat Transport Building Stormwater and HVAC Condensate, Miscellaneous Stream #18	Rejected	RL-MS01		RL-ER03
400 FD5, 400 Area French Drain 5, 408 South Building Stormwater and Condensate, Miscellaneous Stream #19, Injection Well #05	Rejected	RL-MS01		RL-ER03
400 FD6, 400 Area French Drain 6, 408C West Dump Heat Exchanger Sump Stormwater, Miscellaneous Stream #20	Rejected	RL-MS01		RL-ER03

TABLE 4-80 Advanced Reactors Transition Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
400 FD7, 400 Area French Drain 7, 4621W Auxiliary Equipment Building HVAC Condensate and Stormwater, Miscellaneous Stream #21, 453C Switch Gear Pad Stormwater, Miscellaneous Stream #27, Injection Well #07	Rejected	RL-MS01		RL-ER03
400 FD8, 400 Area French Drain 8, 4621W Auxiliary Equipment Building HVAC Condensate, Miscellaneous Stream #22, Injection Well #08	Rejected	RL-MS01		RL-ER03
400 FD9, 400 Area French Drain 9, 481 Pumphouse Sanitary Water and Salt Water, Miscellaneous Stream #23, Injection Well #09	Rejected	RL-MS01		RL-ER03
400 PPSS, 400 Area Process Pond and Sewer System, 4904 Process Sewer System, 4904 Process Sewer Main, 4608 Percolation Pond, 4608B Control Structure and Process Sewer Sampling Site	Active	RL-MS01	RL-ER03	RL-ER03
400 RFD, 400 Area Retired French Drains	Rejected	RL-MS01		
400 RSP, 400 Area Retired Sanitary Pond	Rejected	RL-MS01		RL-ER03
400 SBT, 400 Area Sand Bottom Trench, 400 Area Retired Sand Bottom Trench, Cooling Tower Overflow Trench	Rejected	RL-MS01		
400-1, 400-1 Dump Site	Rejected	RL-MS01		RL-ER03
400-10, 400 FD11, 400 Area French Drain #11, 453B Switch Gear Pad Stormwater, Miscellaneous Stream #26, Injection Well #11	Rejected	RL-MS01		
400-13, Waste Dumping Site (East of FFTF)	Rejected	RL-MS01		RL-ER03
400-14, Burn Pit (East of FFTF)	Rejected	RL-MS01		RL-ER03
400-15, Diesel Fuel Tank Fitting Leak	Rejected(Proposed)	RL-MS01		
400-16, 4831 Flammable Storage Facility, 4831 FSF	Rejected	RL-MS01		RL-ER03
400-17, Buried Construction Waste Area #1, Buried Construction Waste Area	Rejected	RL-MS01		RL-ER03
400-18, Buried Construction Waste Area #2, Buried Construction Waste Area	Rejected	RL-MS01		RL-ER03
400-19, Hazardous Waste Temporary Storage Facility, 400-30, 440 Building 90-Day Waste Accumulation Area	Rejected	RL-MS01		RL-ER03
400-2, Concrete Batch Plant	Rejected	RL-MS01		
400-20, Altitude Valve Pit T-58, Miscellaneous Stream #31	Rejected	RL-MS01		
400-21, Altitude Valve Pit T-87, Miscellaneous Stream #32	Rejected	RL-MS01		
400-22, Altitude Valve Pit T-330 French Drain, Miscellaneous Stream #30	Rejected	RL-MS01		
400-23, Well Pump P-14 French Drain, Miscellaneous Stream #34, 480-A Pump House French Drain	Rejected	RL-MS01		RL-ER03
400-24, Well Pump P-15 French Drain, Miscellaneous Stream #35	Rejected	RL-MS01		RL-ER03
400-25, Well Pump P-16 French Drain, Miscellaneous Stream #36	Rejected	RL-MS01		RL-ER03
400-26, 451-A Substation and B/N Plant French Drain	Rejected	RL-MS01		
400-28, FFTF Dichlorodifluoromethane Releases	Rejected	RL-MS01		
400-29, FFTF PCB Containing Transformers	Rejected	RL-MS01		
400-3, 400 DT, 400 Area Drainage Trench, 400 Area Storm Drain Outfall Trench, Miscellaneous Stream #732	Rejected	RL-MS01		
400-31, Sodium Storage Facility, 402 Building	Active	RL-MS01	RL-ER03	RL-ER03
400-32, U.G. Dry Well - North, Construction Dry Well	Rejected	RL-MS01		RL-ER03
400-33, U.G. Dry Well - South, Construction Dry Well	Rejected	RL-MS01		RL-ER03
400-34, Northwest Surface Water Drainage Ditch, Miscellaneous Stream #733	Rejected	RL-MS01		
400-35, Southwest Surface Water Drainage Ditch, Miscellaneous Stream #734	Rejected	RL-MS01		
400-4, Suspected Burial Ground (East of FFTF)	Rejected	RL-MS01		RL-ER03
400-5, Septic Tank or Cistern	Closed Out	RL-MS01		RL-ER03
400-6, Material Dumping Area (North of FFTF), Material Dumping Area and Building Foundation	Rejected	RL-MS01		RL-ER03
400-8, Construction Material Dumping Area (North of FFTF)	Rejected	RL-MS01		RL-ER03
400-9, 400 RPSSTP, 400 Area Retired Portable Sanitary Sewer Treatment Plant	Rejected	RL-MS01		RL-ER03
403 FD, Discharge point from the 403 Building, 403 French Drain, 400 Area French Drain Discharge from 403, 400 Area Drain Discharge from 403, Miscellaneous Stream #37	Rejected	RL-MS01		RL-ER03
427 HWSA, 427 Building Fuel Cycle Plant Hazardous Waste Storage Area, 427 Building Fuels and Materials Exam. Facility HWSA	Closed Out	RL-MS01		RL-ER03
437 MASF, 400 Area Maintenance and Storage Facility, 437 Maintenance and Storage Facility	Active	RL-MS01	RL-ER03	RL-ER03
4713-B FD, 4713-B French Drain, Miscellaneous Stream #33	Rejected	RL-MS01		RL-ER03
4713-B HWSA, 4713-B Hazardous Waste Storage Area	Rejected	RL-MS01		RL-ER03

TABLE 4-80 Advanced Reactors Transition Project Facility Life-Cycle Responsibility Assignments for Waste Sites (Continued)

Waste Site	Status	Life Cycle Phase		
		S&M	Post Ops	Remedial Action
4713-B LDFD, 4713-B Loading Dock French Drain, Miscellaneous Stream #469	Rejected	RL-MS01		RL-ER03
4721 FD, 400 Area French Drain Discharge from 4721 building Misc. Stream#28	Rejected	RL-MS01		RL-ER03
4831 LHWSA, 4831 Laydown HWSA, 4831 Laydown Hazardous Waste Storage Area, 4831 Flammable Storage Facility	Closed Out	RL-MS01		RL-ER03
4843, 4843 Building, 4843 Alkali Metal Storage Facility, 4843 AMSF, 4843 FFTF Sodium Storage, 4843 Laydown Area Warehouse	Closed Out	RL-MS01		

The 'Rejected' and 'Completed' waste sites are part of the Project Hanford Management Contract (PHMC), but require no additional work from the PHMC team. When they are removed from the contract via direction from the RL Contracting Officer representative, they will be removed from this specification.

* RL PBS Identifier Index:

RL-ER02 - 200 Area Source Remedial Action
RL-ER03 - 300 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER07 - Long Term Surveillance & Maintenance
RL-MS01 - FFTF Project
RL-TP11 - Advanced Reactors Transition

4.5.e Performance Measures

Performance measures are used to monitor both mission and corporate management. In this document, our focus is on mission management. There are two types of mission-focused performance measures. First, there are performance measures that monitor the progress made on activities that must be completed to enable a key step in waste/material cleanup to occur. For the Advanced Reactor Transition mission, these activities may involve the upgrade and repair of facility systems, development of facility deactivation plans and regulatory documentation, and search for beneficial uses for facilities and equipment.

Second, there are performance measures that track the progress made in the processing of wastes, other materials, and facilities. These "process" measures monitor changes in waste/material/facility form, storage/containment method, and location. These measures are important because they are directly linked to two key Success Indicators - the reduction in the level of active management required for the inventory and the reduction in the hazard posed by the waste/material. Process measures will monitor the waste/material/facility during each major processing step as it transitions from its initial configuration to the configuration described by the appropriate endpoint target. Endpoint targets for the Advanced Reactor Transition mission are presented in the Hanford Strategic Plan and are included in the *Facility Life-Cycle Requirements Section* for each project that comprises this mission.

4.5.1 Advanced Reactors Transition

4.5.1.1 Project Description Summary

The Advanced Reactors Transition (ART) PBS is made up of three projects: The Plutonium Recycle Test Reactor (PRTR)/309 Building, the Nuclear Energy (NE) Legacies, and prior to FY1999, the Fast Flux Test Facility (FFTF) and Fuels and Materials Examination Facility (FMEF). The purpose of the ART projects is to safely transition assigned facilities to a deactivated state. The FFTF and FMEF were placed in standby and assigned to DOE-NE.

The PRTR/309 Building, originally completed in 1960, provided an operating test reactor in the Hanford Works Plutonium Fuels Utilization Program to research and develop nuclear fuel technology. In 1962, the Plutonium Recycle Critical Facility (PRCF) was added to support the PRTR operation as a location where the reactivity values of fuel assemblies could be checked. Then in 1963, the Fuel Element Rupture Test Facility (FERTF) began operation in one fringe channel of the PRTR. The FERTF was used as a pilot irradiation facility to test new fuel element designs and new operating regimes. Reactor operations ceased in 1969. Several uses of the facility continued until August of 1993, when the PRTR/309 Building facility was declared excess by DOE. The transition of the building to the Environmental Restoration Contractor (ERC) will involve placing the facility in a configuration which reduces surveillance and maintenance costs to a minimum and meets acceptance criteria for turnover to the ERC.

The NE Legacies consist of non-nuclear facilities that were used in the development of the LMFBR programs and in related engineering studies. Some of the facilities contained sodium test loops that were used to study the properties of sodium heat transport systems and to investigate the behavior of mechanical components that would be operated in a sodium environment. Other facilities were used for sodium chemistry studies and for training the FFTF operators prior to the FFTF becoming operational.

The FFTF is a sodium cooled test reactor which operated from 1982 to 1992. It was in the process of transition to shutdown when it was placed in standby in January 1997. During FY 1997 and FY 1998, deactivation activities that would not impact a potential restart continued within the scope of this PBS.

4.5.1.2 Life-Cycle Material and Waste Flow

Table 4-81 Advanced Reactors Transition Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
309 Facility	CH LLMW I	2002 - 2002	1.28	cubic meters
	CH LLW I	2001 - 2002	25.7	cubic meters
	Sanitary Solid Waste	2000 - 2003	8.0	cubic meters
NE Legacy Facilities	CH LLMW III	2005 - 2005	0.257	cubic meters
	Sanitary Solid Waste	2000 - 2004	35.0	cubic meters

4.5.1.3 Facility Life-Cycle Requirements

- Requirements

  - Disposal of Alkali Metal Test Loops will comply with DOE/EA-0987
  - South 600 Area gaseous effluent releases shall be monitored.

- The Contractor shall safely and efficiently manage the deactivation of the 309 Building and associated facilities in the 300 Area whose mission was the space power program. The program will disposition nuclear material in these facilities. As the material is removed, each facility will be deactivated to reduce risk and attain the lowest surveillance and maintenance cost to a condition ready for disposition.
- The contractor shall clean-up the nuclear waste and stabilize the 309 Building and surrounding area such that the closure of the 309 Building can be accomplished.

- Planning Assumptions

  - High cost surplus facilities and systems shall be transitioned to a low cost, stable, deactivated condition.
  - Facilities and systems shall be made available for other uses.
  - Facilities shall be transitioned to the surveillance and maintenance phase when no longer required to support the site mission.
  - 300 Area facilities shall be surveilled and maintained within the approved safety envelope.

4.5.1.4 Project Safety Authorization Basis/NEPA and Permits

The 309 facility and the NE Legacy facilities are all non-nuclear facilities and do not require a safety Authorization Basis. However, potential safety hazards to the public and worker have been evaluated and will be controlled during the deactivation process.

Evaluations related to the 309 Building are contained in WHC-SD-SP-PHA-001, PRTR/309 Building Nuclear Facility Preliminary Hazards Assessment (Cornwell 1994) and WHC-SD-NEL-HIE-001, 309 Building Fire Protection Analysis and Justification for Deactivation of Sprinkler System (Conner 1996). The 309 Building transition has also been subjected to a NEPA review and has been determined to be covered by a categorical exclusion (Farabee 1995).

The management and disposition of Nuclear Energy Legacy nonradioactive Na inventories and associated facilities shall be in accordance with WHC-SD-FF-MP-001, Hanford Site Sodium Management Plan (Guttenberg 1995) and DOE/EA-0987, Environmental Assessment: Disposition of Alkali Metal Test Loops, Hanford Site, Richland, Washington (DOE 1995l). Additional safety evaluations are documented in WHC-SD-PRP-HA-020, 300 Area Sodium Storage Facilities Hazards Assessment (Campbell 1996) and HNF-SD-NEL-ASA-002, Hazard Baseline Documentation and Auditable Safety Analysis of the 3718-M Sodium Transfer Operation in 337 Building Highbay (Brehm 1997).

4.5.1.5 Tri-Party Agreement Requirements

Tri-Party Agreement Change Request M-92-98-01 places the M-92-9 and M-92-10 milestones "in abeyance".

- TPA.M.92.9 Complete acquisition of new facilities, modification of existing faciities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford Site Sodium (Na). [Due Date: TBD]
- TPA.M.92.10 TPA Milestone M-92-10, Submit Hanford Site sodium project management plan (PMP) to Ecology pursuant to agreement action plan section 11.5. [Due Date: October 1998]
- TPA.M.92.11.T.1 Complete disposition options for all Hanford non-radioactive sodium. [Due Date: 3/31/2002]

4.5.1.6 Interfaces

TABLE 4-82 Advanced Reactors Transition Interfaces

Project Title	Project Number	Interface
Hazardous Waste Disposal Contracts	EXTERNAL	Receives SODIUM TST, HAZ
Offsite Landfill	EXTERNAL	Receives 309 Building Sanitary Solid Waste
Hanford Legacy	EXTERNAL	Provides Legacy/SS 309
Solid Waste Storage & Disposal	RL-WM03	Receives PRTR, CH-LLMW-I Receives PRTR, CH-LLW-I Receives SODIUM TST, CH-LLMW-III
300 Area Source Remedial Action	RL-ER03	Receives Safe & Compliant Deactivated 309 Facility
Decontamination & Decommissioning	RL-ER06	Receives Safe & Compliant Deactivated NE Legacy Facilities

4.5.1.7 Requirements References

- DOE/EA-0987, Disposition of Alkali Metal Test Loops, Hanford Site, Richland, Washington"
- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

4.5.2 FFTF Project

4.5.2.1 Project Description Summary

The FFTF and affiliated 400 Area buildings are to be maintained in a safe and compliant standby condition. The condition of the plant hardware, software and personnel is to be preserved in a manner not to preclude a plant restart. The facility will implement the secretarial decision on a future mission.

The Fast Flux Test Facility (FFTF) is the largest, most modern, liquid metal-cooled test reactor in the world. Originally constructed in the late 1970s, it’s purpose was to support the U.S. Liquid Metal Fast Breeder Reactor (LMFBR) Program. The FFTF began power operation in 1982 and

demonstrated its ability to perform fuel and materials tests in support of both national and international fast breeder reactor programs, produce medical and industrial isotopes, perform materials tests for the fusion and space programs, perform passive safety tests, and provide customized neutron environments to meet customer needs. Detailed studies were also done to show the feasibility of producing significant quantities of Plutonium-238, as well as approximately 100 megawatts of electrical power with the addition of a steam powered turbine generator.

In January 1990, after a U. S. Department of Energy (DOE) evaluation of potential long term missions for the FFTF, DOE concluded that justification to support the expense of continued operation did not exist. This lead to a series of new studies and marketing efforts by the Governor of the State of Washington, in cooperation with the Congressional Delegation of the State. Eventually the Secretary of Energy informed the Washington State Congressional Delegation that DOE planned to commence a phased shutdown process on December 15, 1993, to place the FFTF in a radiologically and industrially safe shutdown condition. Accordingly, removal of the fuel from the reactor vessel began in March 1994 and was completed in April 1995. Following this major accomplishment, the washing of sodium wetted, fueled components was successfully demonstrated.

In order to remove the spent nuclear fuel from storage in the FFTF, procurement contracts were placed for the fabrication of Interim Storage Casks (ISC) and Core Component Containers (CCC) that will be used for the dry storage of washed, FFTF nuclear fueled components. The CCC, when filled with up to seven clean FFTF fueled components, is placed inside of an ISC and transported to the 400 Area Interim Storage Area (ISA), located in the northeast corner of the FFTF complex. The 400 Area ISA is large enough to also store spent nuclear fuel from other facilities in the Hanford 300 Area.

After preparations were made to support the early draining of the secondary loop sodium to in-plant storage tanks in November 1995, DOE ordered all drain activities delayed while an expedited review was conducted on the possible benefits of continued reactor operation for tritium production. Eventually, DOE suspended actions to drain the secondary loop sodium until further notice and deferred all activities that would affect the potential to restart the reactor. Then in January 1997, the Secretary of Energy, by Memorandum of Decision (MOD), directed the FFTF be maintained in a standby condition while studies are conducted to determine if the FFTF could perform a role in augmenting the tritium production options. The FFTF was determined to not be a candidate for tritium production, however evaluation of its possible use in production of medical and other isotopes has continued and the FFTF remains in standby pending the outcome of that effort. Despite these delays to the shutdown plan, significant progress has been made in several key areas which include: packaging and storing highly-radioactive, spent, fueled components in ISCs; procedure preparation for draining plant sodium; completing the reactor vessel plenum drill development project; and completing the construction of the Sodium Storage Facility (SSF). The new SSF is located adjacent to the FFTF and is capable of storing 292,000 gallons of radioactive sodium, which will accommodate all drainable sodium from the FFTF.

The FMEF was built during the late 1970s and early 1980s as a major addition to the breeder reactor technology development program. Its design was initiated in 1978 and underwent several major changes in scope as a result of changes in the direction of the DOE's breeder reactor development programs. The initial design concept was to provide a facility with capability to destructively and nondestructively inspect irradiated fuel materials from the DOE

Research and Development Breeder Reactor projects being developed at that time (the FFTF and the Clinch River Breeder Reactor Plant [CRBRP]). The first facility scope revision occurred in April 1979, when a second breeder reactor development facility was incorporated within the FMEF design. This facility, the High Performance Fuels Laboratory (HPFL), was to produce breeder reactor fuel assemblies for the FFTF and the CRBRP. It included fabrication of high-exposure and spiked fuels for proliferation resistance. During 1979, the U.S. Government's proliferation policy was changed and the need for a HPFL type of fuel fabrication was eliminated. As a result, the HPFL process was replaced by the Secure Automated Fabrication (SAF) Line in October 1980. Further changes in the DOE Breeder Reactor Program direction resulted in a facility scope reduction in October 1983, removing the irradiated fuel examination functions. During 1983, modifications to the shops and storage portion of the Entry Wing were incorporated for FFTF fuel assembly fabrication (pins to assemblies). The Fuel Assembly Area (FAA) was intended to support fuel pin inspection, assembly, and storage. Low-exposure, SAF-fabricated driver fuel pins would be transferred to the FAA for final processing. With the demise of the DOE Breeder Reactor Program, the SAF Project was canceled and the FAA was never activated. Several other projects have altered the original design of the facility, but none have ever come to fruition. The facility is closed, in standby, except for limited use of shop and storage space for activities in support of the Spent Nuclear Fuels Project and the River Protection Project.

4.5.2.2 Life-Cycle Material and Waste Flow

Table 4-83 FFTF Project Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
FFTF	Asbestos	2000 - 2005	28.0	cubic meters
	CH LLW I	2000 - 2005	67.6	cubic meters
	CH LLW III	2000 - 2005	1.54	cubic meters
	HAZ	2000 - 2005	5.99	cubic meters
	Highly Enriched Uranium (HEU)	2002 - 2002	42.7	kilograms
	HLW	2000 - 2018	156.0	cubic meters
	Misc SNM	2002 - 2002	32.0	Items
	RH LLW III	2001 - 2005	80.5	cubic meters
	Sanitary Solid Waste	2000 - 2005	22400	cubic meters
	Spent Nuclear Fuel (SNF)	2000 - 2003	11.9	MTHM
	Waste Water	2004 - 2004	30.2	cubic meters

4.5.2.3 Facility Life-Cycle Requirements

- Requirements

  - South 600 Area gaseous effluent releases shall be monitored.
  - The Contractor shall manage the stabilization/disposition of nuclear material, fuel, and hazardous materials, and the deactivation of the FFTF and associated systems to a condition ready for final disposition, reducing the risk and attain the lowest surveillance and maintenance cost. The Contractor shall complete the sodium removal, wash the fuel elements, and place the cleaned elements in dry casks for storage. The Contractor shall complete the deactivation of FFTF.

- Planning Assumptions

- High cost surplus facilities and systems shall be transitioned to a low cost, stable, deactivated condition.
- Facilities and systems shall be made available for other uses.
- 400 Area surplus facilities shall be transitioned to the surveillance and maintenance phase.
- FFTF shall be transitioned to the surveillance and maintenance phase
- South 600 Area special nuclear materials shall be moved to the Central Plateau.
- 400 Area uranium shall be interim stored in the 400 Area.
- Nuclear materials shall be moved from the 400 Area to the Central Plateau.
- FFTF shall be maintained within the approved safety envelope.
- Spent fuels (light water reactor) shall be moved from the 400 Area interim storage to the Central Plateau Interim Storage.
- 400 Area Nuclear materials shall be stabilized.

4.5.2.4 Project Safety Authorization Basis/NEPA and Permits

The Authorization Basis for FFTF is contained in WHC-TI-75002 (Vol. 1-10) (Gantt 1997) and WHC-SD-FF-SAR-007 (Gantt 1993). Deactivation activities shall be evaluated against the approved safety basis to identify any potential USQs. If the activity is covered by the analysis in the safety basis, no additional safety basis documentation or evaluation is required. If the activity is not covered, either the work plans must be modified to stay within the bounds of the existing safety basis or the safety basis must be modified through additional safety analyses. Once approved by RL, the new analysis shall become part of the approved safety basis.

Environmental, safety, and health requirements for FFTF are contained in WHC-SD-MP-SRID-006, Fast Flux Test Facility Standards Requirements Identification Document (Hisaw 1996). The potential environmental impacts of the FFTF deactivation have been reviewed and documented in DOE/EA-0993, Environmental Assessment: Shutdown of the Fast Flux Test Facility, Hanford Site, Richland, Washington (DOE 1995k).

4.5.2.5 Tri-Party Agreement Requirements

Tri-Party Agreement Change Request M-81-98-01 places the M-81 series milestones "in abeyance" and M-20-29A milestone in "TBD" status.

- TPA.M.20.29.A Submit Sodium Storage Facility and Sodium Reaction Facility closure plan. [Due Date: 12/31/1999]
- TPA.M.81.0.T.2 Complete transfer of irraditated fuel to dry cask storage. [Due Date: 10/31/1998]
- TPA.M.81.0.T.3 Complete transfer of unirraditated fuel to the Plutonium Finishing Plant. [Due Date: 10/31/1998]
- TPA.M.81.0.T.4 Complete transfer of special fuel to the Idaho National Engineering Laboratory for consolidated storage. [Due Date: 10/31/1998]
- TPA.M.81.0.T.5 Complete auxiliary systems deactivation. [Due Date: 3/31/2001]
- TPA.M.81.2.T.1 Submit final sodium disposition evaluation report/decision point. [Due Date: 6/30/1998]
- TPA.M.81.3 Submit FFTF End-point criteria document. [Due Date: 12/31/1998]
- TPA.M.81.4 Complete FFTF Sodium drain. [Due Date: 3/31/2000]

- TPA.M.81.4.T.1 Complete Reactor and Heat Transport System Sodium drain. [Due Date: 4/30/1998]
- TPA.M.81.4.T.2 Complete Interim Decay and Storage Vessel and Fuel Storage Facility Sodium drain. [Due Date: 12/31/1998]
- TPA.M.81.5 Submit FFTF Surveillance and Maintenance Plan. [Due Date: 6/30/2001]
- TPA.M.81.6 Complete PCB transformer disposal. [Due Date:9/30/2001]
- TPA.M.92.9 Complete acquisition of new facilities, modification of existing faciities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford Site Sodium (Na). [Due Date: TBD]
- TPA.M.92.10 TPA Milestone M-92-10, Submit Hanford Site sodium project management plan (PMP) to Ecology pursuant to agreement action plan section 11.5. [Due Date: October 1998]
- TPA.MX.92.6.T.1 Complete commercial disposition and/or the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal/disposition of all Hanford Site UU. [Due Date: 12/31/2000] TPA Target Milestone MX-92-06T.
  This target date includes all UU located in 300 Area fuel supply facilities (Uranium dioxide powder and pellets stored in cans, pins, assemblies, and drums), Uranium trioxide (UO3) powder stored in T-hoppers adjacent to the U-Plant, depleted UO3 stored in 55 gallon drums in the 200 West Area and the 4713 Building.

4.5.2.6 Interfaces

TABLE 4-84 FFTF Project Interfaces

Project Title	Project Number	Interface
Offsite Landfill	EXTERNAL	Receives FFTF Asbestos Receives FFTF Sanitary Solid Waste
Idaho National Engineering Laboratory	EXTERNAL	Receives FFTF Highly Enriched Uranium
Hazardous Waste Disposal Contracts	EXTERNAL	Receives FFTF Hazardous Waste
Hanford Legacy	EXTERNAL	Provides Initial FFTF LLW (Liquid)
Tank Farm Operations	RL-TW03	Receives FFTF decon wash water, HLW stream
Solid Waste Storage & Disposal	RL-WM03	Receives FFTF, CH-LLW-I Receives FFTF, CH-LLW-III Receives FFTF, RH-LLW-III
Liquid Effluents	RL-WM05	Receives FFTF decon waste water
Spent Nuclear Fuel Project	RL-WM01	Receives FFTF Spent Nuclear Fuel (to 200ISA) Receives FFTF Spent Nuclear Fuel (to INEEL)
Canister Storage Building Operations	RL-WM02	Receives FFTF Spent Nuclear Fuel (to 200ISA)
PFP	RL-TP05	Receives FFTF SNM Receives FFTF Spent Nuclear Fuel (to PFP)
Decontamination & Decommissioning	RL-ER06	Receives Safe & Compliant Deactivated Fast Flux Test Facility

4.5.2.7 Requirements References

- DOE/EIS-0222D, Draft Hanford Remedial Action Environmental Impact Statement and Comprehensive Land Use Plan"
- DOE/RL-89-10, Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement), Revision 5"
- DOE/RL-96-92, Hanford Strategic Plan"

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4.6 INDIRECT INFRASTRUCTURE

The infrastructure objective is to provide services consistent with commercial practices, and to integrate infrastructure services with site and project mission requirements. While there may be increased infrastructure needs for certain periods, the infrastructure support to facilities should be "ramped down" in a timely manner commensurate with the declining mission and infrastructure needs of site facilities. Opportunities advantageous to the Government will be aggressively pursued to subcontract and outsource infrastructure work on a competitive, fixed- or fixed-unit-priced basis.

Infrastructure provides the following:

(a) Maintenance and operations of facilities at Hanford.
(b) Utilities - Electrical, water, sanitary sewer, process sewer, fire protection, and central steam systems.
(c) Roads, and other transportation infrastructure, excluding railroads.
(d) Site transportation services, courier service, Government owned/leased vehicles/equipment management and maintenance.
(e) Janitorial services, fabrication shops, pesticide and herbicide programs.
(f) Municipal solid waste disposal service.
(g) Inventory, warehousing, and material management.
(h) Investment recovery program for excess/surplus materials.
(i) Real property management.
(j) Calibration and engineering laboratories.
(k) Land use planning and management.
(l) Demolition of excess general purpose facilities.
(m) Provision of stores.
(n) Information Resources Management (IRM) Support.
(o) Computer, Local Area Network, and data network operations.
(p) End-user computer support.
(q) Information systems, telecommunications, and multi-media services.

The key tenets of the Infrastructure Project are:
* Integrate infrastructure services with Site and Project requirements.
* Provide services consistent with best commercial practices, achieving competitive costs through innovative solutions.

4.6.1 Utilities

4.6.1.a Project Structure

- Steam Utilities (RL-I111)
- Water Utilities (RL-I112)
- Liquid Sanitary Waste Utilities (RL-I113)
- Electrical Utilities (RL-I114)

4.6.1.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- None

4.6.1.c Technical Logic

Figure 4-11 Water Utilities Material/Flow Logic

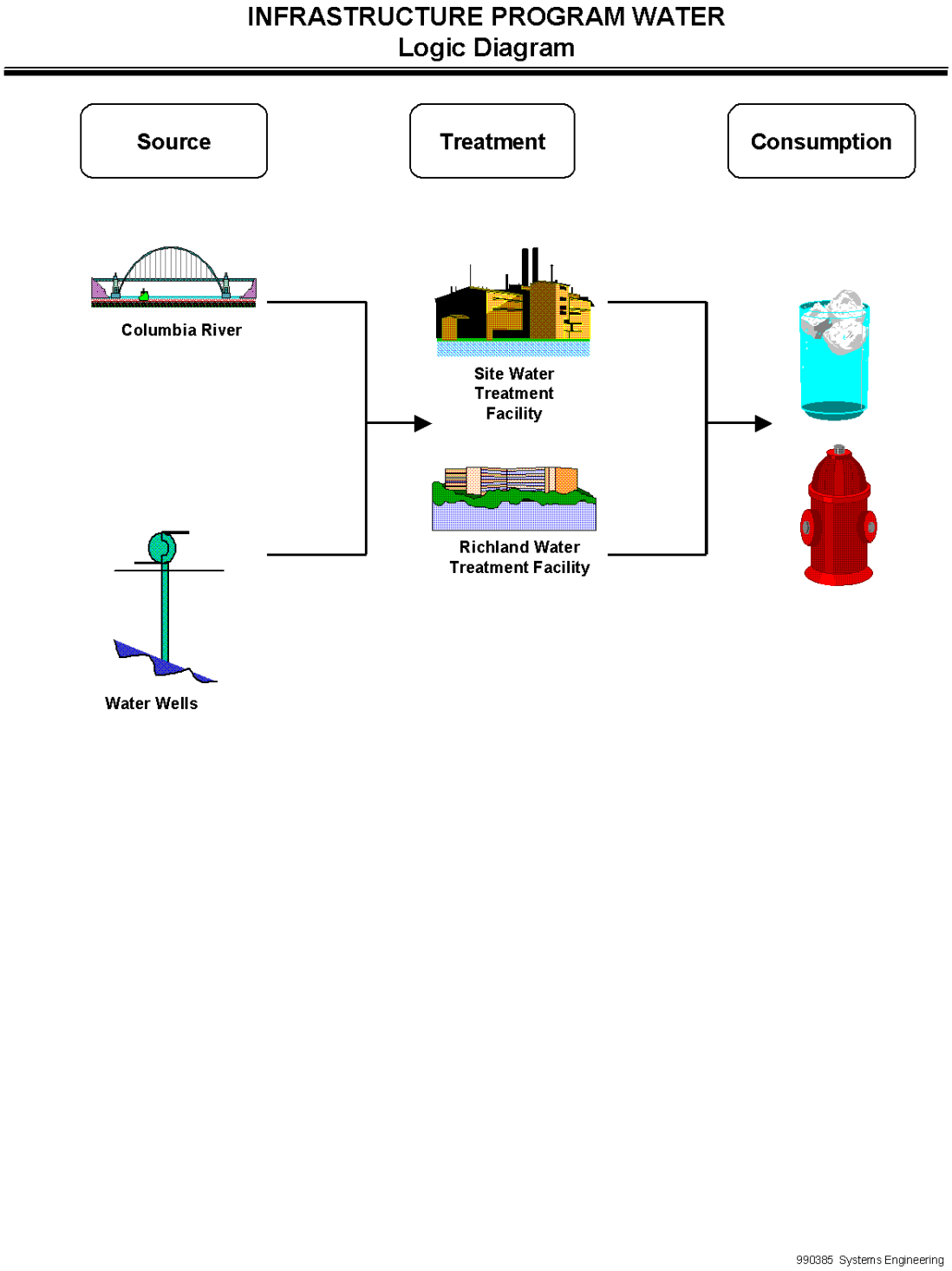
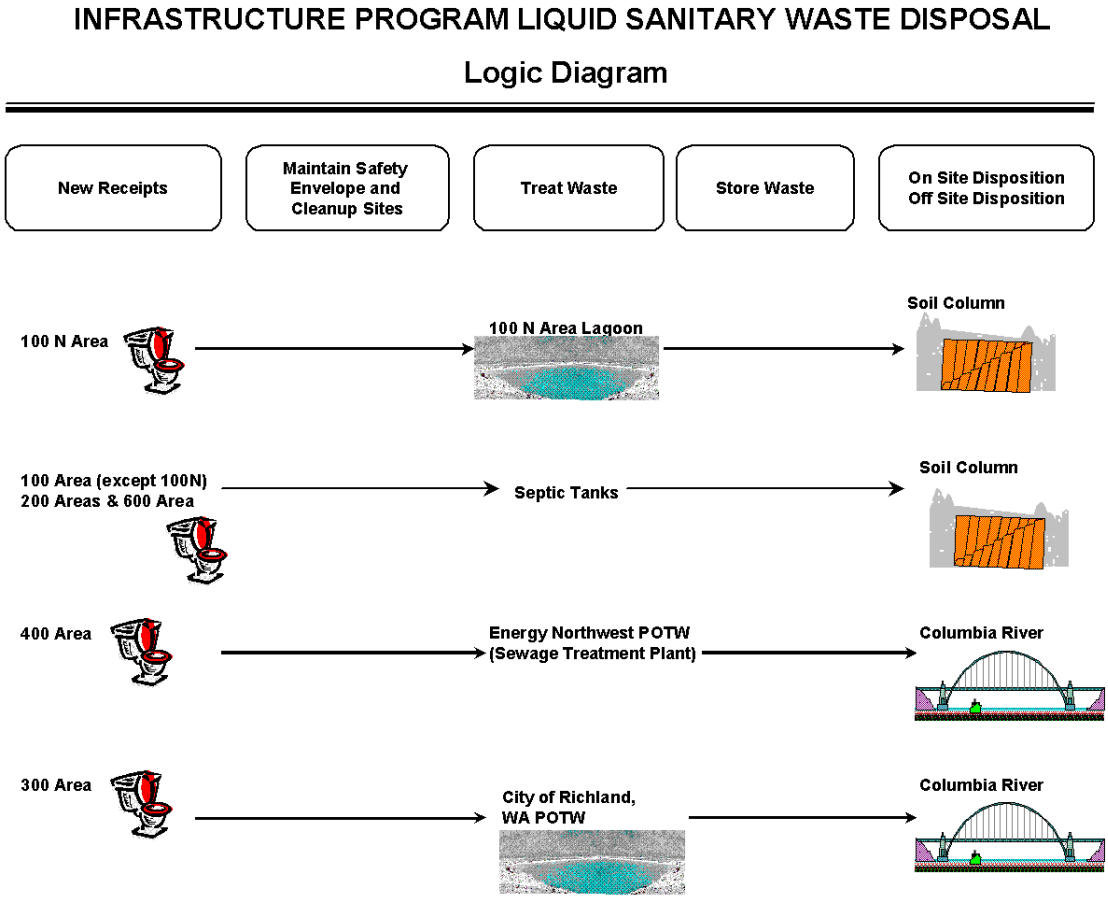
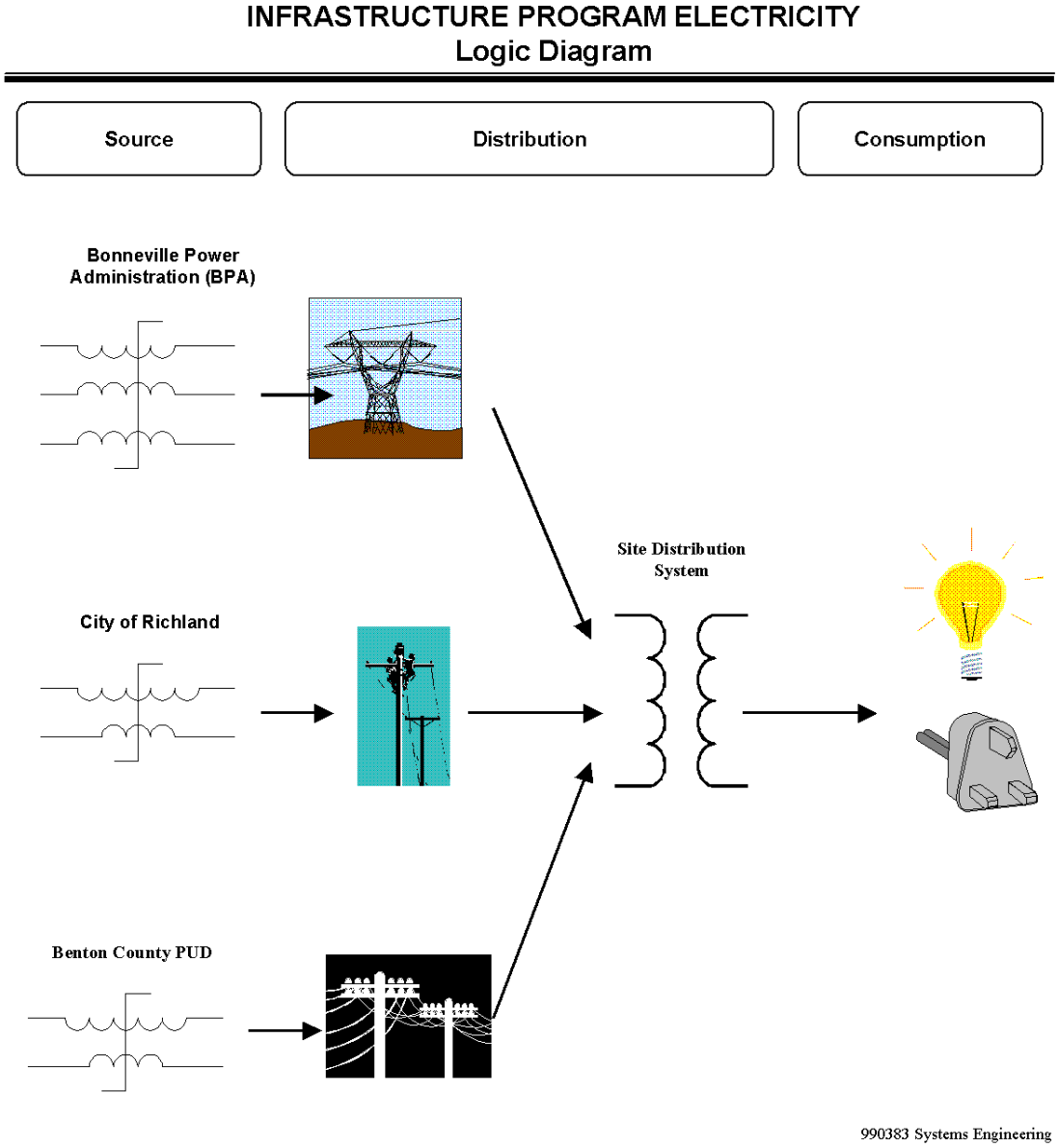


Figure 4-12 Liquid Sanitary Waste Utilities Material/Flow Logic



990386 Systems Engineering

Figure 4-13 Electrical Utilities Material/Flow Logic



4.6.1.d Facility Life-Cycle Responsibility Assignments

Table 4-85 Utilities Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
100-B Reactor	RL-ER10						RL-ER06
509BA	RL-ER10				RL-I111		RL-ER06
200 LEF	RL-WM05				RL-WM05		RL-ER02 RL-ER06
242ABA	RL-I111				RL-I111	RL-I111	RL-I111
B Plant	RL-TP01					RL-ER05 RL-TP01	RL-ER06 RL-ER07
225BBA	RL-I111				RL-I111	RL-I111	RL-I111
PFP	RL-TP05					RL-ER05 RL-TP05	RL-ER06 RL-ER07 RL-TP05
234-5Z-BA	RL-TP05 RL-TP13				RL-I111	RL-TP13	RL-ER06
222-S Laboratory	RL-WM06				RL-WM06	RL-ER05 RL-TP10	RL-ER06 RL-ER07
222SBA	RL-I111				RL-I111	RL-I111	RL-I111
Misc Engineering Laboratories	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
324 Facility	RL-TP08					RL-ER05 RL-TP08	RL-ER06 RL-ER07
324BA	RL-I111 RL-TP08				RL-I111	RL-I111	RL-I111
325 Facility	RL-ST01				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
325BA	RL-I111 RL-TP14				RL-I111	RL-I111	RL-I111
Steam System	RL-I111				RL-I111	RL-TP13	RL-TP13
284E	RL-I111						RL-TP13
284EB	RL-I111				RL-I111	RL-TP13	RL-TP13
284W	RL-I111						RL-TP13
285W	RL-I111				RL-I111	RL-TP13	RL-TP13
284WB	RL-I111						RL-TP13
384	RL-I111						RL-TP13
Water System	RL-I112 RL-TP13				RL-I112 RL-TP13	RL-TP13	RL-TP13
183.5KW	RL-I112				RL-I112	RL-TP13	RL-TP13
183.6KW	RL-I112				RL-I112	RL-TP13	RL-TP13
183KE	RL-I112				RL-I112	RL-TP13	RL-TP13
183.1KW	RL-I112				RL-I112	RL-TP13	RL-TP13
181B	RL-I112				RL-I112	RL-TP13	RL-TP13
182B	RL-I112				RL-I112	RL-TP13	RL-TP13
181D	RL-I112				RL-I112	RL-TP13	RL-TP13
182D	RL-I112				RL-I112	RL-TP13	RL-TP13
183D	RL-I112				RL-I112	RL-TP13	RL-TP13
1901Y	RL-I112				RL-I112	RL-TP13	RL-TP13
1902D	RL-I112				RL-I112	RL-TP13	RL-TP13
183-2KW	RL-I112				RL-I112	RL-TP13	RL-TP13
183-3KW	RL-I112				RL-I112	RL-TP13	RL-TP13
183-4KW	RL-I112				RL-I112	RL-TP13	RL-TP13
282E	RL-I112				RL-I112	RL-TP13	RL-TP13
282EA	RL-I112				RL-I112	RL-TP13	RL-TP13
282EB	RL-I112				RL-I112	RL-TP13	RL-TP13
282ED	RL-I112				RL-I112	RL-TP13	RL-TP13
283E	RL-I112				RL-I112	RL-TP13	RL-TP13
282W	RL-I112				RL-I112	RL-TP13	RL-TP13
282WA	RL-I112				RL-I112	RL-TP13	RL-TP13
282WD	RL-I112				RL-I112	RL-TP13	RL-TP13
283W	RL-I112				RL-I112	RL-TP13	RL-TP13
283WB	RL-I112				RL-I112	RL-TP13	RL-TP13

Table 4-85 Utilities Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
283WD	RL-I112				RL-I112	RL-TP13	RL-TP13
283WF	RL-I112				RL-I112	RL-TP13	RL-TP13
286W	RL-I112				RL-I112	RL-TP13	RL-TP13
2901Y	RL-I112				RL-I112	RL-TP13	RL-TP13
315	RL-I112				RL-I112	RL-TP13	RL-TP13
382	RL-I112				RL-I112	RL-TP13	RL-TP13
382B	RL-I112				RL-I112	RL-TP13	RL-TP13
315C	RL-I112				RL-I112	RL-TP13	RL-TP13
315D	RL-I112				RL-I112	RL-TP13	RL-TP13
Liquid Sanitary Waste System	RL-I113 RL-TP13				RL-I113 RL-TP13	RL-TP13	RL-TP13
4708	RL-I113				RL-I113	RL-TP13	RL-TP13
Electrical Distribution System	RL-I114 RL-TP13				RL-I114 RL-TP13	RL-TP13	RL-TP13
151B	RL-I114				RL-I114		RL-TP13
151-KE	RL-I114						RL-TP13
151-KW	RL-I114				RL-I114	RL-TP13	RL-TP13
251W	RL-I114				RL-I114	RL-TP13	RL-TP13
252E	RL-I114				RL-I114	RL-TP13	RL-TP13
252S	RL-I114				RL-I114	RL-TP13	RL-TP13
252U	RL-I114				RL-I114	RL-TP13	RL-TP13
252W	RL-I114				RL-I114	RL-TP13	RL-TP13
621A	RL-I114				RL-I114	RL-TP13	RL-TP13
621B	RL-I114				RL-I114	RL-TP13	RL-TP13
351A	RL-I114				RL-I114	RL-TP13	RL-TP13
351B	RL-I114				RL-I114	RL-TP13	RL-TP13
352E	RL-I114				RL-I114	RL-TP13	RL-TP13
352F	RL-I114				RL-I114	RL-TP13	RL-TP13
3621E	RL-I114				RL-I114	RL-TP13	RL-TP13
3621C	RL-I114				RL-I114	RL-TP13	RL-TP13
3621D	RL-I114				RL-I114	RL-TP13	RL-TP13
652	RL-I114				RL-I114	RL-TP13	RL-TP13
General Purpose Shops	RL-I14 RL-TP13				RL-I14 RL-TP13	RL-TP13	RL-TP13
306EBA					RL-I111	RL-I111	RL-I111
305BA	RL-I111				RL-I111	RL-I111	RL-I111

* RL PBS Identifier Index:

RL-ER02 - 200 Area Source Remedial Action
RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-ER10 - ER Program Management and Support
RL-I111 - Steam Utilities
RL-I112 - Water Utilities
RL-I113 - Liquid Sanitary Waste Utilities
RL-I114 - Electrical Utilities
RL-I14 - Infrastructure Services
RL-ST01 - PNNL Waste Management
RL-TP01 - B-Plant
RL-TP05 - PFP
RL-TP08 - 324/327 Facility Transition
RL-TP10 - Accelerated Deactivation
RL-TP13 - Landlord
RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization
RL-WM05 - Liquid Effluents
RL-WM06 - Analytical Services

4.6.1.e Performance Measures

4.6.1.1 Steam Utilities

4.6.1.1.1 Project Description Summary

Steam utilities are provided under contract to DOE-RL by Johnson Controls, Inc. (JCI). JCI is responsible for operating 36 boilers in 25 building annexes in the 200 and 300 Areas.

4.6.1.1.2 Life-Cycle Material and Waste Flow

Table 4-86 Steam Utilities Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
Steam System	Treated Liquid Effluent	2000 - 2035	107000	cubic meters

4.6.1.1.3 Facility Life-Cycle Requirements

- Requirements
  - Steam facilities shall be operated and maintained and steam services shall be provided in a safe, secure, environmentally sound, and cost-effective manner, optimizing site infrastructure as a whole.
- Planning Assumptions
  - None

4.6.1.1.4 Project Safety Authorization Basis/NEPA and Permits

4.6.1.1.5 Tri-Party Agreement Requirements

Tri-Party Agreement Change Request M-92-58-01 places the M-92-9 and M-92-10 milestones "in abeyance".

- None

4.6.1.1.6 Interfaces

TABLE 4-87 Steam Utilities Interfaces

Project Title	Project Number	Interface
Tank Farm Operations	RL-TW03	Receives Steam for TWRS-200E
Liquid Effluents	RL-WM05	Receives Package Boiler Treated Liquid Effluent Receives Steam for 242-A Evap
Analytical Services	RL-WM06	Receives Steam for Analytical Services
WESF	RL-TP02	Receives Steam for WESF
PFP	RL-TP05	Receives Steam for PFP Facility
324/327 Facility Transition	RL-TP08	Receives Steam for 324 Facility Receives Steam for 327 Facility
Hanford Surplus Facility Prog 300A Revitalization	RL-TP14	Receives Steam for 320 Misc Rad Facility Building Receives Steam for 323 Misc Rad Facility Building Receives Steam for 3706 Building Receives Steam for 3720 Misc Rad Facility Building Receives Steam for 3745 Misc Rad Facility Building
Landlord	RL-TP13	Receives Excessed Steam System
Long Term Surveillance & Maintenance	RL-ER07	Receives Steam for PFP Facility
PNNL Waste Management	RL-ST01	Receives Steam for 318 Misc Rad Facility Building Receives Steam for 320 Misc Rad Facility Building Receives Steam for 323 Misc Rad Facility Building Receives Steam for 325 Facility Receives Steam for 326 Facility Receives Steam for 337/337B Environmental Support Buildings Receives Steam for 3720 Misc Rad Facility Building Receives Steam for 3745 Misc Rad Facility Building Receives Steam for 3760 Envir Supt Building

4.6.1.1.7 Requirements References

- None

4.6.1.2 Water Utilities

4.6.1.2.1 Project Description Summary

Water Utilities is responsible for approximately 100 miles of distribution piping ranging in size between 42 inches and 2 inches, most of which is over 50 years old.

Water Utilities must maintain the 200 Areas water production within the requirements of State and Federal standards and customer needs. 200 Area Water Utility is responsible for the administration, operation, maintenance and any necessary support from others essential to produce quality potable water. Water Utilities is responsible for the 283W-filtration plant, with 4 basins, 4 filter beds, 4 potable water pumps, 1 backwash pump, backwash recycle water treatment system - with components and the chlorine injection system. The Utility is responsible for developing upgrades and improvements associated with the 283W water treatment plant, the 283E pumping station, two potable water storage tanks (1.3 million-gallon each), and the Backwash Recycle Facilities and equipment. Water Utilities is required to maintain Washington State Certifications for Water Treatment Plant Operators.

The City of Richland is the source of potable water for the 300 area, via a 16-inch transmission line, to the 382 Facility Complex for further distribution. The Water Utility Group distributes

potable water within the 300 Area. Sodium Hypochlorite (NaOCl) is added to maintain the chlorine residual within the distribution system, to meet disinfecting requirements. On a daily basis, Operators draw water samples, analyze and adjust the chemical injection rate, as necessary, to meet water quality standards. Water Utilities is responsible for the administration, operation and maintenance of the 300 Area potable water system. Water Utilities maintains the Columbia River pumping station, (312 Facility), two potable water storage tanks (1.7 million gallons), approximately 20 miles of distribution piping - ranging in size from 16 inches to 2 inches, associated fire hydrants, two diesel driven fire pumps, with associated support equipment, 5 distribution pumps and other related distribution support equipment.

Water Utilities operates, maintains and supervises the standby electrical generation, and distribution within the 300 area. They also operate, maintain and supervise the distribution of 100 pound per square inch (psi) utility air within the 300 area. Johnson Controls, Inc. operates the air compressors within the 300 Area and Water Utilities operates and interfaces with the customers.

4.6.1.2.2 Life-Cycle Material and Waste Flow

Table 4-88 Water Utilities Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
Water System	Treated Liquid Effluent	2000 - 2035	358000	cubic meters

4.6.1.2.3 Facility Life-Cycle Requirements

- Requirements

  - Water facilities shall be operated and maintained and water services shall be provided in a safe, secure, environmentally sound, and cost-effective manner, optimizing site infrastructure as a whole.

- Planning Assumptions

  - None

4.6.1.2.4 Project Safety Authorization Basis/NEPA and Permits

4.6.1.2.5 Tri-Party Agreement Requirements

  - None

4.6.1.2.6 Interfaces

TABLE 4-89 Water Utilities Interfaces

Project Title	Project Number	Interface
City of Richland	EXTERNAL	Provides Potable Water from City of Richland
Soil Column	EXTERNAL	Provides Raw Water from Wells
Columbia River	EXTERNAL	Provides Raw Water from Columbia River
Tank Farm Operations	RL-TW03	Receives Potable Water for TWRS-200E Receives Potable Water for TWRS-200W Receives Potable Water for TWRS-MGMT Receives Raw Water for Tank Farm Operations
Retrieval	RL-TW04	Receives Raw Water for Deliver Waste Feed Receives Raw Water for SST Retrieval
Privatization Phase I	RL-TW06	Receives Potable Water for LAW/HLW Plant, Phase I Receives Raw Water (Fire Suppression) for LAW/HLW Plant, Phase I Receives Raw Water (Process Water) for LAW/HLW Plant, Phase I Facility Receives Raw Water (Process Water) for LAW/HLW Plant, Phase I Feed Tanks Receives Raw Water for LAW/HLW Plant, Phase I
Immobilized Tank Waste Storage & Disposal	RL-TW09	Receives Potable Water Receives Potable Water for ILAWDF Receives Potable Water for Stor&Disp Receives Raw Water for ILAWDF
Solid Waste Storage & Disposal	RL-WM03	Receives Potable Water Receives Potable Water for 200-SWM
Solid Waste Treatment	RL-WM04	Receives Potable Water Receives Potable Water for 200-TP Receives Potable Water for 200-WRAP
Liquid Effluents	RL-WM05	Receives Potable Water Receives Potable Water for 200A-LEF Receives Potable Water for 242-A Evap Receives Potable Water for 300A-LEF Receives Raw Water for 200A-LEF
Analytical Services	RL-WM06	Receives Raw Water for Analytical Services
Spent Nuclear Fuel Project	RL-WM01	Receives Potable Water for SNF Receives Raw Water Receives Raw Water for SNF
Canister Storage Building Operations	RL-WM02	Receives Raw Water for CSB
WESF	RL-TP02	Receives Potable Water for WESF Receives Raw Water for WESF
PUREX	RL-TP03	Receives Potable Water for PUREX Receives Raw Water for PUREX
PFP	RL-TP05	Receives Potable Water for PFP
Accelerated Deactivation	RL-TP10	Receives Potable Water for 200-WRAP

4.6.1.2.7 Requirements References

- None

4.6.1.3 Liquid Sanitary Waste Utilities

4.6.1.3.1 Project Description Summary

Liquid Sanitary Waste Utilities is responsible for proper operation and maintenance of the Site sanitary sewer system as mandated by contractual agreement with the City of Richland and State and Federal Codes and Regulations. Responsibilities include operation and maintenance of collection systems, lift stations, flow tracking, sampling, drainfield rotations, filter

inspection/cleaning, drainfield monitor port inspections, tank pumping, and electrical component inspection. Financial responsibilities include contract costs associated with wastewater acceptance and treatment at the Richland treatment plant, supervision over the operation and maintenance of the sewer systems, and assurance of compliance with State and Federal environmental regulations.

4.6.1.3.2 Life-Cycle Material and Waste Flow

Table 4-90 Liquid Sanitary Waste Utilities Waste/Material Flow (In)

Major Facility	Category	Period	Value	Units
Liquid Sanitary Waste System	Sanitary Liquid Waste	2000 - 2032	62400	cubic meters
	Sanitary Liquid Waste	2000 - 2042	1730	Mgal

4.6.1.3.3 Facility Life-Cycle Requirements

- Requirements

  - Liquid sanitary waste facilities shall be operated and maintained in a safe, secure, environmentally sound, and cost-effective manner, optimizing site infrastructure as a whole.

- Planning Assumptions

  - The Hanford Site Infrastructure shall be optimized.
    Develop cost-competitive infrastructure commensurate with mission needs.
    Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.

4.6.1.3.4 Project Safety Authorization Basis/NEPA and Permits

4.6.1.3.5 Tri-Party Agreement Requirements

  - None

4.6.1.3.6 Interfaces

TABLE 4-91 Liquid Sanitary Waste Utilities Interfaces

Project Title	Project Number	Interface
Tank Farm Operations	RL-TW03	Provides TWRS Sanitary Liquid Waste
Privatization Phase II	RL-TW07	Provides LAW Ph-II Liquid Sanitary Waste
Immobilized Tank Waste Storage & Disposal	RL-TW09	Provides IHLWSM Liquid Sanitary Waste

4.6.1.3.7 Requirements References

- DOE/RL-96-92, Hanford Strategic Plan"

4.6.1.4 Electrical Utilities

4.6.1.4.1 Project Description Summary

Electrical Utilities is responsible for the Hanford electrical transmission and distribution system. This function operates and maintains the 100/200 Areas, 600 Area, and 300 Area electrical systems, provides day shift electrical dispatching, and provides site-wide PCB oil-leak cleanup services. Electrical power for the 700, 1100, and 3000 Areas is provided by the City of Richland. The Electrical Utilities function works with the Bonneville Power Administration to ensure that forecasted electrical needs for the Hanford Site are met. The 400 Area is operated by the FFTF program, with maintenance performed by Electrical Utilities on a work order basis.

4.6.1.4.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.1.4.3 Facility Life-Cycle Requirements

- Requirements

  - Electrical distribution facilities shall be operated and maintained and electrical distribution services shall be provided in a safe, secure, environmentally sound, and cost-effective manner, optimizing site infrastructure as a whole.
  - The high voltage electrical transmission system including substations and some portion, if not all, of the 13.8KV distribution service will be provided by service agreements with offsite utility companies. Note: Contracts for the above services awarded by DOE prior to the effective date of this contract may be assigned to the Contractor for management and integration.

- Planning Assumptions

  - The Hanford Site Infrastructure shall be optimized.
    Develop cost-competitive infrastructure commensurate with mission needs.
    Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.

4.6.1.4.4 Project Safety Authorization Basis/NEPA and Permits

4.6.1.4.5 Tri-Party Agreement Requirements

- None

4.6.1.4.6 Interfaces

TABLE 4-92 Electrical Utilities Interfaces

Project Title	Project Number	Interface
BPA	EXTERNAL	Provides Electricity from BPA
City of Richland	EXTERNAL	Provides Electricity from City of Richland
Benton County PUD	EXTERNAL	Provides Electricity from Benton County PUD
Tank Farm Operations	RL-TW03	Receives Electricity Receives Electricity for TWRS-200E Receives Electricity for TWRS-200W Receives Electricity for TWRS-MGMT
Privatization Phase I	RL-TW06	Receives Electricity Receives Electricity for LAW/HLW Plant, Phase I Facility Receives Electricity for LAW/HLW Plant, Phase I Feed Tanks
Immobilized Tank Waste Storage & Disposal	RL-TW09	Receives Electricity Receives Electricity for CSB Receives Electricity for ILAWDF Receives Electricity for Stor&Disp
Solid Waste Storage & Disposal	RL-WM03	Receives Electricity Receives Electricity for 200-SWM
Solid Waste Treatment	RL-WM04	Receives Electricity Receives Electricity for 200-TP Receives Electricity for 200-WRAP Receives Electricity for 2706-T
Liquid Effluents	RL-WM05	Receives Electricity Receives Electricity for 200A-LEF Receives Electricity for 242-A Evap Receives Electricity for 300A-340 Receives Electricity for 300A-LEF
Analytical Services	RL-WM06	Receives Electricity Receives Electricity for Analytical Services
Spent Nuclear Fuel Project	RL-WM01	Receives Electricity Receives Electricity for SNF
Canister Storage Building Operations	RL-WM02	Receives Electricity for CSB
WESF	RL-TP02	Receives Electricity for WESF
PUREX	RL-TP03	Receives Electricity for PUREX
PFP	RL-TP05	Receives Electricity for PFP
Surveillance & Maintenance	RL-ER05	Receives Electricity for REDOX
Advanced Reactors Transition	RL-TP11	Receives Electricity for 309 Receives Electricity for NE Legacy Facilities

4.6.1.4.7 Requirements References

- DOE/RL-96-92, Hanford Strategic Plan"

4.6.2 Transportation

4.6.2.a Project Structure

- Fleet Maintenance (RL-I121)
- Transportation Services (RL-I123)
- Road and Grounds Maintenance (RL-I124)

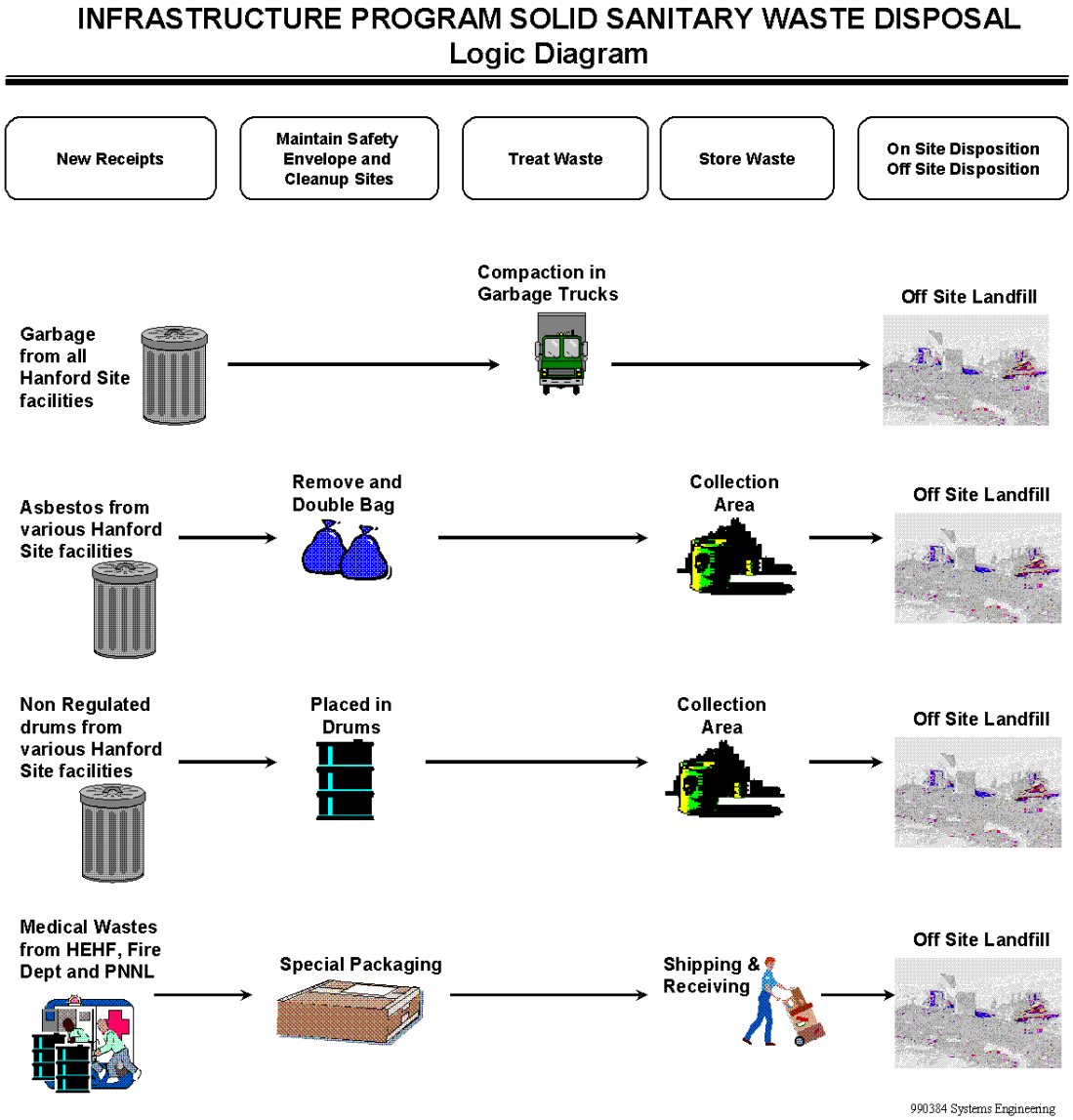
4.6.2.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- None

4.6.2.c Technical Logic

Figure 4-14 Transportation Material/Flow Logic



4.6.2.d Facility Life-Cycle Responsibility Assignments

Table 4-93 Transportation Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
FFTF	RL-MS01				RL-MS01	RL-ER05 RL-MS01	RL-ER06 RL-ER07
4843	RL-TP13				RL-I123	RL-TP13	RL-TP13
Road System	RL-I124 RL-TP13				RL-I124 RL-TP13	RL-TP13	RL-TP13

* RL PBS Identifier Index:

RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-I123 - Transportation Services
RL-I124 - Road and Grounds Maintenance
RL-MS01 - FFTF Project
RL-TP13 - Landlord

4.6.2.e Performance Measures

4.6.2.1 Fleet Maintenance

4.6.2.1.1 Project Description Summary

Fleet Maintenance performs regulated, corrective, and preventive vehicle and equipment maintenance based on manufacturer recommendations, Department of Transportation regulations, and Hanford experience. Modifications to equipment are performed based on customer requirements. In addition, Fleet Maintenance dispenses fuel from Site fuel trucks to equipment that does not have access to fuel stations. The Business Office operations support commercially based customer billings, maintenance record and database management. GSA reimbursement is processed in accordance with the request for services between GSA and DOE-RL.

4.6.2.1.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.2.1.3 Facility Life-Cycle Requirements

- Requirements
  - None

- Planning Assumptions
  - None

4.6.2.1.4 Project Safety Authorization Basis/NEPA and Permits

4.6.2.1.5 Tri-Party Agreement Requirements

- None

4.6.2.1.6 Interfaces

4.6.2.1.7 Requirements References

- None

4.6.2.2 Transportation Services

4.6.2.2.1 Project Description Summary

Transportation Services is responsible to perform the following. Plan, manage, and administer logistics support for the existing transportation infrastructure for the guaranteed ride home program and the outer area taxi service. Provide site-wide support for delivery and pickup services. This includes the movement of essential documents and calibrated instruments. Provide office move support, transportation of records, and general transportation support including boxes, computers, file servers, furniture, and equipment. Provide delivery of materials from the Central Stores Complex and local vendors to all areas across the Site. Provide heavy equipment operations support and transportation services to all Site customers.

The Transportation Operations (TO) organization is responsible for pickup, inspection, and disposal of non-radioactive, non-hazardous dry waste for offsite disposal. This scope may include the operation of an on-site transfer station and incorporates offsite contamination control, cost optimization, and waste minimization related to solid sanitary waste disposal. Responsible for safe operations by monitoring and inspections of landfill areas. TO shall use the best business practices in a safe, timely, cost-effective manner in support of Project Hanford Management Contract (PHMC) customers and workers. TO will support the Hanford mission in an efficient, responsible, professional manner that optimizes the site infrastructure.

4.6.2.2.2 Life-Cycle Material and Waste Flow

Table 4-94 Transportation Services Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
General Purpose Shops	Asbestos	2000 - 2034	4300	cubic meters
	Sanitary Solid Waste	2000 - 2034	148000	cubic meters

4.6.2.2.3 Facility Life-Cycle Requirements

- Requirements

  - Solid sanitary waste shall be transported for offsite disposal in a safe, secure, environmentally sound, and cost-effective manner.
  - Site Transportation Services. Provide for operations and maintenance of GSA-leased and DOE-owned equipment of all types. There is a significant effort underway to reduce the inventory of equipment. The Contractor is encouraged to be innovative in approaching "how" to meet site transportation and equipment requirements. The Contractor is not to assume that DOE desires to maintain this service area as either a central or onsite function and should work to reduce this costly overhead service on a sitewide basis while continuing to meet mission requirements.
  - Oversee program for disposal of municipal solid waste. The Contractor shall manage the other types of waste disposal (asbestos, drum, medical).

- Planning Assumptions

  - The Hanford Site Infrastructure shall be optimized.
    Develop cost-competitive infrastructure commensurate with mission needs.
    Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.

4.6.2.2.4 Project Safety Authorization Basis/NEPA and Permits

4.6.2.2.5 Tri-Party Agreement Requirements

  - None

4.6.2.2.6 Interfaces

TABLE 4-95 Transportation Services Interfaces

Project Title	Project Number	Interface
Offsite Landfill	EXTERNAL	Receives Asbestos from Landlord CP Demolitions Receives Asbestos from Landlord SS Demolitions Receives Landlord Generated CP Sanitary Solid Waste Receives Landlord Generated SS Sanitary Solid Waste Receives OFFSITE LANDFILL SAN (SOL) DISP, Sanitary Solid Waste Receives Shipped Solid Sanitary Waste to Offsite Landfills
Tank Farm Operations	RL-TW03	Receives Heavy Equipment for TWRS-200E Receives Heavy Equipment for TWRS-200W Receives Heavy Trucks for TWRS-200E Receives Heavy Trucks for TWRS-200W Receives Sedans/Light Trucks for TWRS-200E Receives Sedans/Light Trucks for TWRS-200W
Privatization Phase I	RL-TW06	Receives Hanford Road Sys. Heavy Traffic for LAW/HLW Ph-1
Immobilized Tank Waste Storage & Disposal	RL-TW09	Receives Hanford Road Sys. Heavy Traffic for Stor&Disp Receives Heavy Trucks for Stor&Disp
Solid Waste Storage & Disposal	RL-WM03	Receives Hanford Road Sys. Heavy Traffic for 200-SWM Receives Heavy Equipment for 200-SWM Receives Heavy Trucks for 200-SWM Receives Sedans/Light Trucks for 200-SWM
Solid Waste Treatment	RL-WM04	Receives Hanford Road Sys. Heavy Traffic for 200-WRAP Receives Heavy Equipment for 200-TP Receives Heavy Trucks for 200-TP Receives Heavy Trucks for 200-WRAP Receives Sedans/Light Trucks for 200-TP Receives Sedans/Light Trucks for 200-WRAP
Liquid Effluents	RL-WM05	Receives Hanford Road Sys. Heavy Traffic for 300A-LEF Receives Heavy Equipment for 200A-LEF Receives Heavy Equipment for 300A-LEF Receives Heavy Trucks for 300A-LEF Receives Sedans/Light Trucks for 200A-LEF Receives Sedans/Light Trucks for 242-A Evap Receives Sedans/Light Trucks for 300A-LEF
Analytical Services	RL-WM06	Receives Sedans/Light Trucks for Analytical Services
Spent Nuclear Fuel Project	RL-WM01	Receives Hanford Road Sys. Heavy Traffic for SNF Receives Heavy Equipment for SNF Receives Heavy Trucks for SNF Receives Sedans/Light Trucks for SNF
WESF	RL-TP02	Receives Hanford Road Sys. Heavy Traffic for WESF Receives Heavy Equipment for WESF Receives Heavy Trucks for WESF Receives Sedans/Light Trucks for WESF
PUREX	RL-TP03	Receives Hanford Road Sys. Heavy Traffic for PUREX Receives Heavy Trucks for PUREX
PFP	RL-TP05	Receives Heavy Trucks for PFP
Accelerated Deactivation	RL-TP10	Receives Hanford Road Sys. Heavy Traffic for 200-WRAP Receives Heavy Trucks for 200-WRAP Receives Sedans/Light Trucks for 200-WRAP

4.6.2.2.7 Requirements References

- DOE/RL-96-92, Hanford Strategic Plan"

4.6.2.3 Road and Grounds Maintenance

4.6.2.3.1 Project Description Summary

Road and Grounds Maintenance is responsible to perform the following. Plan, manage, and administer activities for the existing roads and grounds infrastructure in the 200 and 300 Areas, including patching, sweeping, road striping, sign repair, and snow removal. Maintain the Hanford Site's 487.63 kilometers (303 lane miles) of primary and secondary roads. Provide surveillance and maintenance to ensure the safety and environmental integrity of the 560 square miles of the 600 Area. The 600 Area consists of all areas on the Hanford Site outside other designated areas.

4.6.2.3.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.2.3.3 Facility Life-Cycle Requirements

- Requirements

  - Hanford road system shall be maintained in a safe, secure, environmentally sound, and cost-effective manner.
  - Provide all essential infrastructure services in a safe, secure, environmentally sound, and cost-effective manner, optimizing site infrastructure as a whole. The types of services in this area include:
    (a) Maintenance and operations of facilities at Hanford.
    (b) Utilities - Electrical, water, sanitary sewer, process sewer, fire protection, and central steam systems. (See special consideration for the 100, 200, and 300 areas below.)
    (c) Roads, railroads, and other transportation infrastructure.
    (d) Site transportation services, courier service, Government owned/leased vehicles/equipment management and maintenance.
    (e) Janitorial services, fabrication shops, pesticide and herbicide programs.
    (f) Municipal solid waste disposal service.
    (g) Inventory, warehousing, and material management.
    (h) Investment recovery program for excess/surplus materials.
    (i) Real property management.
    (j) Calibration and engineering laboratories.
    (k) Land use planning and management.
    (l) Demolition of excess general purpose facilities.
    (m) Provision of stores.
    (n) Information Resources Management (IRM) Support
    (o) Computer, Local Area Network, and data network operations.
    (p) End-user computer support.
    (q) Information systems, telecommunications, and multi-media services.

- Planning Assumptions

  - None

4.6.2.3.4 Project Safety Authorization Basis/NEPA and Permits

4.6.2.3.5 Tri-Party Agreement Requirements

- None

4.6.2.3.6 Interfaces

TABLE 4-96 Road and Grounds Maintenance Interfaces

Project Title	Project Number	Interface
Hanford Legacy	EXTERNAL	Provides Roads to be maintained

4.6.2.3.7 Requirements References

- None

4.6.3 General Purpose Facilities

4.6.3.a Project Structure

- Government Owned Offices (RL-I131)
- Commercial Leases - OP (RL-I132)

4.6.3.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- None

4.6.3.c Technical Logic

4.6.3.d Facility Life-Cycle Responsibility Assignments

Table 4-97 General Purpose Facilities Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
PFP	RL-TP05					RL-ER05 RL-TP05	RL-ER06 RL-ER07 RL-TP05
MO014	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO428	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO429	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO432	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO834	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
MO839	RL-I13				RL-I131 RL-TP05	RL-TP13	RL-TP13
General Purpose Offices	RL-I13 RL-TP13				RL-I13 RL-TP13	RL-TP13	RL-TP13
2200B	RL-I13				RL-I131	RL-TP13	RL-TP13
2201B	RL-I13				RL-I131	RL-TP13	RL-TP13
2245B	RL-I13				RL-I131	RL-TP13	RL-TP13
2259W	RL-I13				RL-I13	RL-TP13	
2701EC	RL-I13					RL-TP13	RL-TP13
2701M	RL-I13						RL-TP13
2704C	RL-I13				RL-I13		
2704S	RL-I13				RL-I131	RL-TP13	RL-TP13
2704W	RL-I13						RL-TP13
2707E	RL-I13				RL-I131	RL-TP13	RL-TP13
2707W	RL-I13				RL-I131	RL-TP13	RL-TP13
2710E	RL-I13				RL-I131	RL-TP13	RL-TP13
2710W	RL-I13				RL-I131	RL-TP13	RL-TP13
2713E	RL-I13						RL-TP13
2719EA	RL-I13				RL-I131	RL-TP13	RL-TP13
2719WB	RL-I13				RL-I131	RL-TP13	RL-TP13
2721E	RL-I13				RL-I131	RL-TP13	RL-TP13
2721EA	RL-I13				RL-I131	RL-TP13	RL-TP13
2722E	RL-I13						RL-TP13
2723W	RL-I13				RL-I131	RL-TP13	RL-TP13
2727E	RL-I13				RL-I131	RL-TP13	RL-TP13
272EA	RL-I13				RL-I131	RL-TP13	RL-TP13
274AW	RL-I13				RL-I131	RL-TP13	RL-TP13
2750E	RL-I13				RL-I131	RL-TP13	RL-TP13
2751E	RL-I13				RL-I131	RL-TP13	RL-TP13
2752E	RL-I13				RL-I131	RL-TP13	RL-TP13
2753E	RL-I13				RL-I131	RL-TP13	RL-TP13
278AW	RL-I13				RL-I131	RL-TP13	RL-TP13
278WA	RL-I13				RL-I131	RL-TP13	RL-TP13
604A	RL-I13				RL-I131	RL-TP13	RL-TP13
622G	RL-I13					RL-TP13	RL-TP13
MO011	RL-I13				RL-I131	RL-TP13	RL-TP13
MO012	RL-I13						RL-TP13
MO015	RL-I13				RL-I131	RL-TP13	RL-TP13
MO016	RL-I13				RL-I131	RL-TP13	RL-TP13
MO017	RL-I13				RL-I131	RL-TP13	RL-TP13
MO019	RL-I13				RL-I131	RL-TP13	RL-TP13
MO021	RL-I13						RL-TP13
MO027	RL-I13				RL-I131	RL-TP13	RL-TP13
MO028	RL-I13				RL-I131	RL-TP13	RL-TP13

Table 4-97 General Purpose Facilities Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
MO029	RL-I13				RL-I131	RL-TP13	RL-TP13
MO031	RL-I13				RL-I131	RL-TP13	RL-TP13
MO032	RL-I13				RL-I131	RL-TP13	RL-TP13
MO037	RL-I13				RL-I131	RL-TP13	RL-TP13
MO039	RL-I13				RL-I131	RL-TP13	RL-TP13
MO040	RL-I13						RL-TP13
MO041	RL-I13				RL-I131	RL-TP13	RL-TP13
MO042	RL-I13						RL-TP13
MO043	RL-I13						RL-TP13
MO047	RL-I13						RL-TP13
MO056	RL-I13				RL-I13		
MO108	RL-I13				RL-I13	RL-TP13	
MO112	RL-I13				RL-I131	RL-TP13	RL-TP13
MO201	RL-I13				RL-I13		
MO203	RL-I13				RL-I13		
MO204	RL-I13						RL-TP13
MO206	RL-I13				RL-I131	RL-TP13	RL-TP13
MO211	RL-I13				RL-I131	RL-TP13	RL-TP13
MO215	RL-I13				RL-I131	RL-TP13	RL-TP13
MO227	RL-I13						RL-TP13
MO228	RL-I13				RL-I13		
MO232	RL-I13				RL-I131	RL-TP13	RL-TP13
MO234	RL-I13				RL-I131	RL-TP13	RL-TP13
MO235	RL-I13				RL-I131	RL-TP13	RL-TP13
MO240	RL-I13				RL-I131	RL-TP13	RL-TP13
MO244	RL-I13				RL-I131	RL-TP13	RL-TP13
MO245	RL-I13				RL-I131	RL-TP13	RL-TP13
MO246	RL-I13				RL-I131	RL-TP13	RL-TP13
MO247	RL-I13				RL-I131	RL-TP13	RL-TP13
MO248	RL-I13				RL-I131	RL-TP13	RL-TP13
MO249	RL-I13				RL-I131	RL-TP13	RL-TP13
MO250	RL-I13				RL-I131	RL-TP13	RL-TP13
MO251	RL-I13				RL-I131	RL-TP13	RL-TP13
MO252	RL-I13				RL-I131	RL-TP13	RL-TP13
MO253	RL-I13				RL-I131	RL-TP13	RL-TP13
MO254	RL-I13				RL-I131	RL-TP13	RL-TP13
MO255	RL-I13				RL-I131	RL-TP13	RL-TP13
MO256	RL-I13				RL-I131	RL-TP13	RL-TP13
MO257	RL-I13				RL-I131	RL-TP13	RL-TP13
MO266	RL-I13				RL-I131	RL-TP13	RL-TP13
MO267	RL-I13				RL-I131	RL-TP13	RL-TP13
MO268	RL-I13				RL-I131	RL-TP13	RL-TP13
MO272	RL-I13				RL-I131	RL-TP13	RL-TP13
MO273	RL-I13				RL-I131	RL-TP13	RL-TP13
MO276	RL-I13				RL-I131	RL-TP13	RL-TP13
MO277	RL-I13				RL-I131	RL-TP13	RL-TP13
MO280	RL-I13				RL-I131	RL-TP13	RL-TP13
MO281	RL-I13				RL-I131	RL-TP13	RL-TP13
MO282	RL-I13				RL-I131	RL-TP13	RL-TP13
MO283	RL-I13				RL-I131	RL-TP13	RL-TP13
MO284	RL-I13				RL-I131	RL-TP13	RL-TP13
MO285	RL-I13				RL-I131	RL-TP13	RL-TP13
MO286	RL-I13				RL-I131	RL-TP13	RL-TP13
MO287	RL-I13				RL-I131	RL-TP13	RL-TP13
MO291	RL-I13				RL-I131	RL-TP13	RL-TP13
MO292	RL-I13				RL-I131	RL-TP13	RL-TP13
MO294	RL-I13				RL-I131	RL-TP13	RL-TP13
MO303	RL-I13				RL-I13		
MO306	RL-I13				RL-I13		
MO314	RL-I13				RL-I131	RL-TP13	RL-TP13
MO324	RL-I13				RL-I13		
MO346	RL-I13					RL-TP13	RL-TP13
MO347	RL-I13				RL-I13		
MO351	RL-I13				RL-I131	RL-TP13	RL-TP13
MO354	RL-I13				RL-I131	RL-TP13	RL-TP13
MO355	RL-I13				RL-I13		

Table 4-97 General Purpose Facilities Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
MO369	RL-I13						RL-TP13
MO377	RL-I13				RL-I131	RL-TP13	RL-TP13
MO384	RL-I13				RL-I131	RL-TP13	RL-TP13
MO386	RL-I13				RL-I131	RL-TP13	RL-TP13
MO388	RL-I13				RL-I131	RL-TP13	RL-TP13
MO393	RL-I13						RL-TP13
MO398	RL-I13				RL-I131	RL-TP13	RL-TP13
MO400	RL-I13				RL-I131	RL-TP13	RL-TP13
MO406	RL-I13				RL-I131	RL-TP13	RL-TP13
MO407	RL-I13				RL-I131	RL-TP13	RL-TP13
MO408	RL-I13				RL-I131	RL-TP13	RL-TP13
MO410	RL-I13				RL-I131	RL-TP13	RL-TP13
MO412	RL-I13				RL-I131	RL-TP13	RL-TP13
MO413	RL-I13				RL-I131	RL-TP13	RL-TP13
MO414	RL-I13				RL-I131	RL-TP13	RL-TP13
MO434	RL-I13				RL-I131	RL-TP13	RL-TP13
MO441	RL-I13				RL-I13	RL-TP13	
MO454	RL-I13				RL-I131	RL-TP13	RL-TP13
MO465	RL-I13				RL-I131	RL-TP13	RL-TP13
MO535	RL-I13						RL-TP13
MO542	RL-I13				RL-I13		
MO552	RL-I13				RL-I13		
MO555	RL-I13				RL-I13		
MO556	RL-I13				RL-I131	RL-TP13	RL-TP13
MO559	RL-I13				RL-I13		
MO560	RL-I13						RL-TP13
MO569	RL-I13				RL-I131	RL-TP13	RL-TP13
MO570	RL-I13				RL-I131	RL-TP13	RL-TP13
MO571	RL-I13				RL-I131	RL-TP13	RL-TP13
MO573	RL-I13				RL-I131	RL-TP13	RL-TP13
MO574	RL-I13				RL-I131	RL-TP13	RL-TP13
MO674	RL-I13					RL-TP13	RL-TP13
MO705	RL-I13				RL-I13		
MO717	RL-I13				RL-I131	RL-TP13	RL-TP13
MO718	RL-I13				RL-I131	RL-TP13	RL-TP13
MO722	RL-I13				RL-I131	RL-TP13	RL-TP13
MO816	RL-I13				RL-I131	RL-TP13	RL-TP13
MO831	RL-I13				RL-I131	RL-TP13	RL-TP13
MO832	RL-I13				RL-I131	RL-TP13	RL-TP13
MO833	RL-I13				RL-I131	RL-TP13	RL-TP13
MO835	RL-I13						RL-TP13
MO837	RL-I13				RL-I131	RL-TP13	RL-TP13
MO838	RL-I13				RL-I13		
MO840	RL-I13				RL-I131	RL-TP13	RL-TP13
MO841	RL-I13				RL-I131	RL-TP13	RL-TP13
MO844	RL-I13				RL-I131	RL-TP13	RL-TP13
MO845	RL-I13				RL-I13	RL-TP13	
MO847	RL-I13				RL-I131	RL-TP13	RL-TP13
MO848	RL-I13				RL-I131	RL-TP13	RL-TP13
MO849	RL-I13				RL-I131	RL-TP13	RL-TP13
MO852	RL-I13				RL-I13	RL-TP13	
MO853	RL-I13				RL-I131		RL-TP13
MO858	RL-I13				RL-I131	RL-TP13	RL-TP13
MO862	RL-I13				RL-I131	RL-TP13	RL-TP13
MO863	RL-I13					RL-TP13	RL-TP13
MO890	RL-I13				RL-I131	RL-TP13	RL-TP13
MO904	RL-I13				RL-I131	RL-TP13	RL-TP13
MO906	RL-I13				RL-I131	RL-TP13	RL-TP13
MO909	RL-I13					RL-TP13	RL-TP13
MO919	RL-I13				RL-I131	RL-TP13	RL-TP13
MO924	RL-I13				RL-I131	RL-TP13	RL-TP13
MO927	RL-I13						RL-TP13
MO931	RL-I13				RL-I13	RL-TP13	
MO934	RL-I13						RL-TP13
MO936	RL-I13					RL-TP13	RL-TP13
MO939	RL-I13				RL-I131	RL-TP13	RL-TP13

Table 4-97 General Purpose Facilities Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
MO943	RL-I13				RL-I131	RL-TP13	RL-TP13
MO946	RL-I13				RL-I13	RL-TP13	
MO947	RL-I13					RL-TP13	RL-TP13
MO948	RL-I13				RL-I13	RL-TP13	
MO953	RL-I13				RL-I131	RL-TP13	RL-TP13
MO955	RL-I13						RL-TP13
MO956	RL-I13				RL-I131	RL-TP13	RL-TP13
MO958	RL-I13				RL-I131	RL-TP13	RL-TP13
MO959	RL-I13				RL-I131	RL-TP13	RL-TP13
MO961	RL-I13				RL-I131	RL-TP13	RL-TP13
MO962	RL-I13				RL-I131	RL-TP13	RL-TP13
MO964	RL-I13				RL-I131	RL-TP13	RL-TP13
MO966	RL-I13				RL-I131	RL-TP13	RL-TP13
MO967	RL-I13				RL-I131	RL-TP13	RL-TP13
MO968	RL-I13				RL-I131	RL-TP13	RL-TP13
MO972	RL-I13				RL-I13	RL-TP13	
MO975	RL-I13				RL-I131	RL-TP13	RL-TP13
MO976	RL-I13				RL-I131	RL-TP13	RL-TP13
MO977	RL-I13				RL-I131	RL-TP13	RL-TP13
MO990	RL-I13						RL-TP13
MO994	RL-I13						RL-TP13
MO996	RL-I13				RL-I131	RL-TP13	RL-TP13
MO997	RL-I13					RL-TP13	RL-TP13
328	RL-I13				RL-I131	RL-TP13	RL-TP13
3705	RL-I13				RL-I131	RL-TP13	RL-TP13
3719	RL-I13				RL-I131	RL-TP13	RL-TP13
3763	RL-I13				RL-I131	RL-TP13	RL-TP13
3766	RL-I13				RL-I131	RL-TP13	RL-TP13
3768	RL-I13				RL-I131	RL-TP13	RL-TP13
3769	RL-I13					RL-TP13	RL-TP13
3770	RL-I13				RL-I131	RL-TP13	RL-TP13
3790	RL-I13				RL-I131	RL-TP13	RL-TP13
339A	RL-I13				RL-I131	RL-TP13	RL-TP13
3701C	RL-I13				RL-I131	RL-TP13	RL-TP13
3701	RL-I13				RL-I131	RL-TP13	RL-TP13
3701D	RL-I13					RL-TP13	RL-TP13
3701U	RL-I13						RL-TP13
3703A	RL-I13				RL-I131	RL-TP13	RL-TP13
3707H	RL-I13				RL-I131	RL-TP13	RL-TP13
3719A	RL-I13						RL-TP13
3746D	RL-I13				RL-I131	RL-TP13	RL-TP13
MO026	RL-I13				RL-I131	RL-TP13	RL-TP13
MO264	RL-I13				RL-I131	RL-TP13	RL-TP13
MO337	RL-I13				RL-I131	RL-TP13	RL-TP13
MO557	RL-I13				RL-I131	RL-TP13	RL-TP13
MO558	RL-I13				RL-I131	RL-TP13	RL-TP13
MO830	RL-I13				RL-I131	RL-TP13	RL-TP13
MO842	RL-I13				RL-I131	RL-TP13	RL-TP13
4702	RL-I13				RL-I131	RL-TP13	RL-TP13
4706	RL-I13				RL-I131	RL-TP13	RL-TP13
4707	RL-I13				RL-I131	RL-TP13	RL-TP13
4719	RL-I13					RL-TP13	RL-TP13
4790	RL-I13				RL-I131	RL-TP13	RL-TP13
4701B	RL-I13					RL-TP13	RL-TP13
MO353	RL-I13						RL-TP13
MO378	RL-I13						RL-TP13
MO379	RL-I13						RL-TP13
MO908	RL-I13						RL-TP13
662	RL-I13				RL-I131	RL-TP13	RL-TP13
6701	RL-I13				RL-I131	RL-TP13	RL-TP13
604F	RL-I13						RL-TP13
661A	RL-I13				RL-I131	RL-TP13	RL-TP13
662A	RL-I13				RL-I131	RL-TP13	RL-TP13
6701A	RL-I13				RL-I131	RL-TP13	RL-TP13
6701B	RL-I13				RL-I131	RL-TP13	RL-TP13
MO001	RL-I13				RL-I131	RL-TP13	RL-TP13

Table 4-97 General Purpose Facilities Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
MO002	RL-I13				RL-I131	RL-TP13	RL-TP13
MO222	RL-I13				RL-I131	RL-TP13	RL-TP13
MO302	RL-I13				RL-I131	RL-TP13	RL-TP13
MO368	RL-I13				RL-I131	RL-TP13	RL-TP13
MO917	RL-I13				RL-I131	RL-TP13	RL-TP13
712B	RL-I13				RL-I131	RL-TP13	RL-TP13
747B	RL-I13				RL-I131	RL-TP13	RL-TP13
747	RL-I13					RL-TP13	RL-TP13
FED (825 Jadwin)	RL-I13				RL-I132		
703	RL-I13				RL-I13	RL-TP13	RL-TP13
712	RL-I13				RL-I131	RL-TP13	RL-TP13
1170	RL-I13				RL-I13	RL-TP13	
1167A	RL-I13				RL-I13	RL-TP13	
MO370	RL-I13				RL-I131	RL-TP13	RL-TP13
MO404	RL-I13				RL-I13	RL-TP13	
MO916	RL-I13				RL-I13	RL-TP13	
MO938	RL-I13				RL-I13	RL-TP13	
MO940	RL-I13				RL-I13	RL-TP13	
MO396	RL-I13				RL-I131	RL-TP13	RL-TP13
MO851	RL-I13				RL-I131	RL-TP13	RL-TP13
1804TD	RL-I13				RL-I132		
1806TD	RL-I13				RL-I132		
1808TD	RL-I13				RL-I132		
1810TD	RL-I13				RL-I132		
1812TD	RL-I13				RL-I132		
1814TD	RL-I13				RL-I132		
1816TD	RL-I13				RL-I132		
1820TD	RL-I13				RL-I132		
1981SNYDER	RL-I13				RL-I132		
2420STVCN	RL-I13				RL-I132		
2425STVCN	RL-I13				RL-I132		
2430STVCN	RL-I13				RL-I132		
2440STVCN	RL-I13				RL-I132		
3707D	RL-I13					RL-TP13	RL-TP13
MO103	RL-I13					RL-TP13	RL-TP13
MO105	RL-I13					RL-TP13	RL-TP13
MO543	RL-I13				RL-I131	RL-TP13	RL-TP13
748	RL-I13				RL-I13	RL-TP13	RL-TP13
3226	RL-I13				RL-I131	RL-TP13	RL-TP13
3227	RL-I13				RL-I131	RL-TP13	RL-TP13
3228	RL-I13				RL-I131	RL-TP13	RL-TP13
MO006	RL-I13				RL-I13		
MO709	RL-I13				RL-I13		
General Purpose Warehouses	RL-I149 RL-TP13				RL-I149 RL-TP13	RL-TP13	RL-TP13
1620HILSBRO	RL-I149				RL-I132		

* RL PBS Identifier Index:

RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-I13 - General Purpose Facilities
RL-I131 - Government Owned Offices
RL-I132 - Commercial Leases - OP
RL-I149 - Asset Management
RL-TP05 - PFP
RL-TP13 - Landlord

4.6.3.e Performance Measures

4.6.3.1 Government Owned Offices

4.6.3.1.1 Project Description Summary

Real Estate supports the Hanford Site mission by providing building management, space planning and support services to approximately 1,800 employees located in approximately 75 Government owned facilities within the occupancy pool. These facilities are located across the Site and comprise over 670,000 square feet of office and support areas. Real Estate is responsible to coordinate with PHMC and Affiliate Subcontractors to provide cost-effective, safe and secure office space to meet their operating requirements. This includes providing safe, reliable, cost effective Maintenance, Custodial, Small Project support to facilities within the Occupancy Pool. Support services include ensuring implementation of the Integrated Environmental, Safety and Health Management System (ISMS) and Quality Assurance and Improvement Plans (QAPP/QIP).

Real Estate supports Construction Forces mission by providing building management, space planning and support services to approximately 110 government owned construction support facilities. These facilities are located across the site and comprise approximately 130,000 square feet of construction support space. Real Estate is responsible to coordinate with PHMC and affiliate subcontractors to provide cost-effective, safe and secure construction support space to meet their operating requirements. Support services for Construction Forces facilities also includes ensuring implementation of the Integrated Environmental, Safety and Health Management System (ISMS) and Quality Assurance and Improvement Plans (QAPP/QIP).

4.6.3.1.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.3.1.3 Facility Life-Cycle Requirements

- Requirements

  - Offices facilities shall be operated and maintained and space in these facilities shall be provided in a safe, secure, environmentally sound, and cost-effective manner. This requirement includes the provision of janitorial services.
  - Government-Owned Facilities The Contractor shall be responsible for the maintenance, operations, surveillance, and disposition of Government-owned general purpose facilities (approximately 420 facilities comprising 1.7 to 2.2 million square feet). It is expected that 139 of these facilities will be vacant by the end of FY 1996.

- Planning Assumptions

- The Hanford Site Infrastructure shall be optimized.
  Develop cost-competitive infrastructure commensurate with mission needs.
  Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.

4.6.3.1.4 Project Safety Authorization Basis/NEPA and Permits

4.6.3.1.5 Tri-Party Agreement Requirements

- None

4.6.3.1.6 Interfaces

TABLE 4-98 Government Owned Offices Interfaces

Project Title	Project Number	Interface
Tank Farm Operations	RL-TW03	Receives Office Space (Infrastructure Owned) for TWRS-200E Receives Office Space (Infrastructure Owned) for TWRS-200W Receives Office Space (Leased) for TWRS-2704HV Receives Office Space (Program Owned) for TWRS-200E Receives Office Space (Program Owned) for TWRS-200W Receives Office Space (Program Owned) for TWRS-2704HV Receives Office Space (Program Owned) for TWRS-MGMT
Immobilized Tank Waste Storage & Disposal	RL-TW09	Receives Office Space (Program Owned) for Stor&Disp
Solid Waste Storage & Disposal	RL-WM03	Receives Office Space (Program Owned) for 200-SWM
Solid Waste Treatment	RL-WM04	Receives Office Space (Infrastructure Owned) for 200-TP Receives Office Space (Program Owned) for 200-WRAP
Liquid Effluents	RL-WM05	Receives Office Space (Infrastructure Owned) for 242-A Evap Receives Office Space (Program Owned) for 200A-LEF Receives Office Space (Program Owned) for 242-A Evap Receives Office Space (Program Owned) for 300A-340 Receives Office Space (Program Owned) for 300A-LEF
Analytical Services	RL-WM06	Receives Office Space (Program Owned) for Analytical Services
Spent Nuclear Fuel Project	RL-WM01	Receives Office Space (Infrastructure Owned) for SNF Receives Office Space (Leased) for SNF
WESF	RL-TP02	Receives Office Space (Infrastructure Owned) for WESF Receives Office Space (Program Owned) for WESF
PUREX	RL-TP03	Receives Office Space (Infrastructure Owned) for PUREX
PFP	RL-TP05	Receives Office Space (Infrastructure Owned) for PFP
Accelerated Deactivation	RL-TP10	Receives Office Space (Program Owned) for 200-WRAP
Long Term Surveillance & Maintenance	RL-ER07	Receives Office Space (Infrastructure Owned) for PFP

4.6.3.1.7 Requirements References

- DOE/RL-96-92, Hanford Strategic Plan"

4.6.3.2 Commercial Leases - OP

4.6.3.2.1 Project Description Summary

Real Estate supports the Hanford Site mission by providing building management, space planning and support services to approximately 1,300 employees located in 6 leased facilities within the occupancy pool, including PHMC occupied portions of the Federal Building. These facilities are located in the City of Richland and comprise over 575,000 square feet of office and support space. Real Estate is responsible to coordinate with PHMC and Affiliate Subcontractors to provide cost-effective, safe and secure office space to meet their operating requirements. Support services include ensuring implementation of the Integrated Environmental, Safety and Health Management System (ISMS) and Quality Assurance and Improvement Plans (QAPP/QIP).

4.6.3.2.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.3.2.3 Facility Life-Cycle Requirements

- Requirements
  - None
- Planning Assumptions
  - None

4.6.3.2.4 Project Safety Authorization Basis/NEPA and Permits

4.6.3.2.5 Tri-Party Agreement Requirements

- None

4.6.3.2.6 Interfaces

4.6.3.2.7 Requirements References

- None

4.6.4 Infrastructure Services

4.6.4.a Project Structure

- Fabrication Services (RL-I141)
- Crane & Rigging (RL-I142)
- Maintenance Services (RL-I143)
- Custodial Services (RL-I144)
- Calibration Labs (RL-I145)
- NDE Labs (RL-I146)
- Engineering Labs (RL-I147)
- Information Resource Management (RL-I148)
- Asset Management (RL-I149)

4.6.4.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- None

4.6.4.c Technical Logic

4.6.4.d Facility Life-Cycle Responsibility Assignments

Table 4-99 Infrastructure Services Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
Misc Radiological Facilities	RL-ST01 RL-TP14				RL-ST01	RL-ER05 RL-TP14	RL-ER06 RL-ER07
306E	RL-OT01				Cogema	RL-TP14	RL-TP13
Telecommunications System	RL-I148 RL-TP13				RL-I148 RL-TP13	RL-TP13	RL-TP13
630	RL-I148				RL-I148	RL-TP13	RL-TP13
1112NA	RL-I148				RL-I148	RL-TP13	RL-TP13
506B	RL-I148				RL-I148	RL-TP13	RL-TP13
506BA	RL-I148				RL-I148	RL-TP13	RL-TP13
2506E1	RL-I148				RL-I148	RL-TP13	RL-TP13
2506E2	RL-I148				RL-I148	RL-TP13	RL-TP13
2506W3	RL-I148				RL-I148	RL-TP13	RL-TP13
2506E3	RL-I148				RL-I148	RL-TP13	RL-TP13
2506W1	RL-I148				RL-I148	RL-TP13	RL-TP13

Table 4-99 Infrastructure Services Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
2506W2	RL-I148				RL-I148	RL-TP13	RL-TP13
MO290	RL-I148				RL-I148	RL-TP13	RL-TP13
676	RL-I148				RL-I148	RL-TP13	RL-TP13
623B	RL-I148				RL-I148	RL-TP13	RL-TP13
3506C	RL-I148				RL-I148	RL-TP13	RL-TP13
3507	RL-I148				RL-I148	RL-TP13	RL-TP13
3220	RL-I148				RL-I148	RL-TP13	RL-TP13
4790A	RL-I148				RL-I148	RL-TP13	RL-TP13
6221NA	RL-I148				RL-I148	RL-TP13	RL-TP13
6223A	RL-I148				RL-I148	RL-TP13	RL-TP13
6224A	RL-I148				RL-I148	RL-TP13	RL-TP13
623A	RL-I148				RL-I148	RL-TP13	RL-TP13
623	RL-I148				RL-I148	RL-TP13	RL-TP13
General Purpose Shops	RL-I14 RL-TP13				RL-I14 RL-TP13	RL-TP13	RL-TP13
6290	RL-I14				RL-I14	RL-TP13	RL-TP13
221A	RL-I14				RL-I14	RL-TP13	RL-TP13
2242B	RL-I14				RL-I14	RL-TP13	RL-TP13
2244B	RL-I14				RL-I14	RL-TP13	RL-TP13
2300W	RL-I14				RL-I14	RL-TP13	RL-TP13
2301W	RL-I14				RL-I14	RL-TP13	RL-TP13
2311W	RL-I14				RL-I14	RL-TP13	RL-TP13
2317W	RL-I14				RL-I14	RL-TP13	RL-TP13
2247B	RL-I14				RL-I14	RL-TP13	RL-TP13
2318W	RL-I14				RL-I14	RL-TP13	RL-TP13
2309W	RL-I14				RL-I14	RL-TP13	RL-TP13
2308W	RL-I14				RL-I14	RL-TP13	RL-TP13
2304W	RL-I14				RL-I14	RL-TP13	RL-TP13
242AC	RL-I14				RL-I14	RL-TP13	RL-TP13
2711EA	RL-I14				RL-I14	RL-TP13	RL-TP13
2711EB	RL-I14				RL-I14	RL-TP13	RL-TP13
2715EC	RL-I14					RL-TP13	RL-TP13
272E	RL-I14						RL-TP13
274E	RL-I14				RL-I14	RL-TP13	RL-TP13
275E	RL-I14				RL-I14	RL-TP13	RL-TP13
277A	RL-I14				RL-I14	RL-TP13	RL-TP13
MO048	RL-I14				RL-I14	RL-TP13	RL-TP13
272W	RL-I14				RL-I14	RL-TP13	RL-TP13
275W	RL-I14				RL-I14	RL-TP13	RL-TP13
277W	RL-I14				RL-I14	RL-TP13	RL-TP13
2728W	RL-I14				RL-I14	RL-TP13	RL-TP13
2722W	RL-I14						RL-TP13
2238E	RL-I14					RL-TP13	RL-TP13
2239E	RL-I14					RL-TP13	RL-TP13
2240E	RL-I14					RL-TP13	RL-TP13
2262W	RL-I14					RL-TP13	RL-TP13
2237E	RL-I149				RL-I149	RL-TP13	RL-TP13
3709	RL-I14				RL-I14	RL-TP13	RL-TP13
3713	RL-I14				RL-I14	RL-TP13	RL-TP13
3721	RL-I14				RL-I14	RL-TP13	RL-TP13
3722	RL-I14					RL-TP13	RL-TP13
305A	RL-I14				RL-I14	RL-TP13	RL-TP13
305P	RL-I14				RL-I14	RL-TP13	RL-TP13
305	RL-I14				RL-I14	RL-TP13	RL-TP13
328A	RL-I14				RL-I14	RL-TP13	RL-TP13
327E	RL-I14				RL-I14	RL-TP13	RL-TP13
3506A	RL-I14				RL-I14	RL-TP13	RL-TP13
3506B	RL-I14				RL-I14	RL-TP13	RL-TP13
3718N	RL-I14				RL-I14	RL-TP13	RL-TP13
4760	RL-I14				RL-I14	RL-TP13	RL-TP13
4704N	RL-I14				RL-I14	RL-TP13	RL-TP13
4722B	RL-I14				RL-I14	RL-TP13	RL-TP13
4722C	RL-I14				RL-I14	RL-TP13	RL-TP13
4734B	RL-I14				RL-I14	RL-TP13	RL-TP13
1171	RL-I14				RL-I14	RL-TP13	
1171A	RL-I14				RL-I14	RL-TP13	

Table 4-99 Infrastructure Services Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
1171B	RL-I14				RL-I14	RL-TP13	
3221	RL-I14				RL-I14	RL-TP13	RL-TP13
3231	RL-I14				RL-I14	RL-TP13	RL-TP13
General Purpose Warehouses	RL-I149 RL-TP13				RL-I149 RL-TP13	RL-TP13	RL-TP13
2101HV	RL-I149				RL-I149	RL-TP13	RL-TP13
213K	RL-I149				RL-I149	RL-TP13	RL-TP13
604G	RL-I149						RL-TP13
604H	RL-I149				RL-I149	RL-TP13	RL-TP13
MO315	RL-I149				RL-I149	RL-TP13	RL-TP13
MO376	RL-I149				RL-I149	RL-TP13	RL-TP13
MO944	RL-I149				RL-I149	RL-TP13	RL-TP13
2101M	RL-I149				RL-I149	RL-TP13	RL-TP13
2241B	RL-I149				RL-I149	RL-TP13	RL-TP13
2249B	RL-I149				RL-I149	RL-TP13	RL-TP13
2314W	RL-I149				RL-I149	RL-TP13	RL-TP13
2310W	RL-I149				RL-I149	RL-TP13	RL-TP13
2711E	RL-I149				RL-I149	RL-TP13	RL-TP13
2312W	RL-I149				RL-I149	RL-TP13	RL-TP13
2307W	RL-I149				RL-I149	RL-TP13	RL-TP13
2313W	RL-I149				RL-I149	RL-TP13	RL-TP13
2306W	RL-I149				RL-I149	RL-TP13	RL-TP13
2315W	RL-I149				RL-I149	RL-TP13	RL-TP13
2316W	RL-I149				RL-I149	RL-TP13	RL-TP13
2715E	RL-I149						RL-TP13
2715ED	RL-I149				RL-I149	RL-TP13	RL-TP13
2715WA	RL-I149				RL-I149	RL-TP13	RL-TP13
2715M	RL-I149						RL-TP13
2716E	RL-I149				RL-I149	RL-TP13	RL-TP13
2719E	RL-I149						RL-TP13
272BC	RL-I149				RL-I149	RL-TP13	RL-TP13
2734EA	RL-I149				RL-I149		RL-TP13
273E	RL-I149				RL-I149	RL-TP13	RL-TP13
275EA	RL-I149						RL-TP13
MO965	RL-I149				RL-I149	RL-TP13	RL-TP13
MO974	RL-I149				RL-I149	RL-TP13	RL-TP13
2724WB	RL-I149				RL-I149	RL-TP13	RL-TP13
283WE	RL-I149				RL-I149	RL-TP13	RL-TP13
273W	RL-I149				RL-I149	RL-TP13	RL-TP13
MO716	RL-I149				RL-I149	RL-TP13	RL-TP13
MO973	RL-I149				RL-I149	RL-TP13	RL-TP13
X8	RL-I149				RL-I149	RL-TP13	RL-TP13
212P	RL-I149				RL-I149	RL-TP10	RL-TP10
212N	RL-I149				RL-I149		RL-TP13
212R	RL-I149				RL-I149		RL-TP13
607	RL-I149						RL-TP13
2251E	RL-I149				RL-I149	RL-TP13	RL-TP13
2252E	RL-I149				RL-I149	RL-TP13	RL-TP13
2253E	RL-I149				RL-I149	RL-TP13	RL-TP13
2254E	RL-I149				RL-I149	RL-TP13	RL-TP13
2255E	RL-I149				RL-I149	RL-TP13	RL-TP13
2256E	RL-I149				RL-I149	RL-TP13	RL-TP13
2257E	RL-I149				RL-I149	RL-TP13	RL-TP13
2233E	RL-I149				RL-I149	RL-TP13	RL-TP13
2234E	RL-I149				RL-I149	RL-TP13	RL-TP13
2231E	RL-I149				RL-I149	RL-TP13	RL-TP13
2232E	RL-I149				RL-I149	RL-TP13	RL-TP13
2263W	RL-I149				RL-I149	RL-TP13	RL-TP13
2264W	RL-I149				RL-I149	RL-TP13	RL-TP13
2265W	RL-I149				RL-I149	RL-TP13	RL-TP13
2230E	RL-I149				RL-I149	RL-TP13	RL-TP13
2235E	RL-I149				RL-I149	RL-TP13	RL-TP13
2236E	RL-I149				RL-I149	RL-TP13	RL-TP13
2258E	RL-I149				RL-I149	RL-TP13	RL-TP13
MO502					RL-I14	RL-TP13	RL-TP13
MO503					RL-I14	RL-TP13	RL-TP13

Table 4-99 Infrastructure Services Facility Life-Cycle Responsibility Assignments (Continued)

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
MO504					RL-I14	RL-TP13	RL-TP13
3704	RL-I149				RL-I149	RL-TP13	RL-TP13
3711	RL-I149				RL-I149	RL-TP13	RL-TP13
3715	RL-I149				RL-I149	RL-TP13	RL-TP13
3717	RL-I149				RL-I149	RL-TP13	RL-TP13
3727	RL-I149				RL-I149	RL-TP13	RL-TP13
3718C	RL-I149				RL-I149	RL-TP13	RL-TP13
4734D	RL-I149					RL-TP13	RL-TP13
MO536	RL-I149				RL-I149	RL-TP13	RL-TP13
1161	RL-I149				RL-I149	RL-TP13	
1162	RL-I149				RL-I149	RL-TP13	
1164	RL-I149				RL-I149	RL-TP13	
1167	RL-I149				RL-I149	RL-TP13	
1168	RL-I149				RL-I149	RL-TP13	
1169	RL-I149				RL-I149	RL-TP13	
1173	RL-I149				RL-I149	RL-TP13	
1175	RL-I149				RL-I149	RL-TP13	
1176	RL-I149				RL-I149	RL-TP13	
1177	RL-I149				RL-I149	RL-TP13	
1179	RL-I149				RL-I149	RL-TP13	
11201	RL-I149				RL-I149	RL-TP13	RL-TP13
1171C	RL-I149				RL-I149	RL-TP13	
1163	RL-I149				RL-I149	RL-TP13	
X4	RL-I149				RL-I149	RL-TP13	
1620HILSBRO	RL-I149				RL-I132		
1174	RL-I149				RL-I149	RL-TP13	
1172A	RL-I149				RL-I149	RL-TP13	
X1	RL-I149				RL-I149	RL-TP13	
3222	RL-I149				RL-I149	RL-TP13	RL-TP13
3223	RL-I149				RL-I149	RL-TP13	RL-TP13
3224	RL-I149				RL-I149	RL-TP13	RL-TP13
3225	RL-I149				RL-I149	RL-TP13	RL-TP13
3229	RL-I149				RL-I149	RL-TP13	RL-TP13
3232	RL-I149				RL-I149	RL-TP13	RL-TP13
3234	RL-I149				RL-I149	RL-TP13	RL-TP13
3235	RL-I149				RL-I149	RL-TP13	RL-TP13
3707E	RL-I149				RL-I149	RL-TP13	RL-TP13
3707EA	RL-I149						
Environmental Support Facilities	RL-ST01				RL-ST01 RL-TP13	RL-TP13	RL-TP13
3717B					RL-I145	RL-TP13	RL-TP13

* RL PBS Identifier Index:

Cogema - Cogema
RL-ER05 - Surveillance & Maintenance
RL-ER06 - Decontamination & Decommissioning
RL-ER07 - Long Term Surveillance & Maintenance
RL-I132 - Commercial Leases - OP
RL-I14 - Infrastructure Services
RL-I145 - Calibration Labs
RL-I148 - Information Resource Management
RL-I149 - Asset Management
RL-OT01 - Mission Support - Other Multi-Year Program
RL-ST01 - PNNL Waste Management
RL-TP10 - Accelerated Deactivation
RL-TP13 - Landlord
RL-TP14 - Hanford Surplus Facility Prog 300A Revitalization

4.6.4.e Performance Measures

4.6.4.1 Fabrication Shops

4.6.4.1.1 Project Description Summary

Site Fabrication Services provides fabrication, loaned labor, welder qualification, and quality control services to support Hanford site programs, facilities, and transition projects on an as requested basis and as authorized and funded by work assignment documentation.

4.6.4.1.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.4.1.3 Facility Life-Cycle Requirements

- Requirements
  - None
- Planning Assumptions
  - None

4.6.4.1.4 Project Safety Authorization Basis/NEPA and Permits

4.6.4.1.5 Tri-Party Agreement Requirements

- None

4.6.4.1.6 Interfaces

TABLE 4-100 Fabrication Services Interfaces

Project Title	Project Number	Interface
Tank Farm Operations	RL-TW03	Receives Brokered Fabrication Labor Receives Fab Shop Services for TWRS-200E Receives Fab Shop Services for TWRS-200W
Immobilized Tank Waste Storage & Disposal	RL-TW09	Receives Brokered Fabrication Labor Receives Fab Shop Services for Stor&Disp
Solid Waste Storage & Disposal	RL-WM03	Receives Fab Shop Services for 200-SWM
Solid Waste Treatment	RL-WM04	Receives Fab Shop Services for 200-TP Receives Fab Shop Services for 200-WRAP

TABLE 4-100 Fabrication Services Interfaces (Continued)

Project Title	Project Number	Interface
Liquid Effluents	RL-WM05	Receives Fab Shop Services for 200A-LEF Receives Fab Shop Services for 300A-LEF Receives Fabrication Services Electrician for 242-A Evap Receives Fabrication Services Pipefitter for 200A-LEF Receives Fabrication Services Pipefitter for 242-A Evap
Spent Nuclear Fuel Project	RL-WM01	Receives Brokered Fabrication Labor Receives Fab Shop Services for SNF
WESF	RL-TP02	Receives Brokered Fabrication Labor Receives Fab Shop Services for WESF
PUREX	RL-TP03	Receives Fab Shop Services for PUREX
PFP	RL-TP05	Receives Brokered Fabrication Labor Receives Fab Shop Services for PFP
Accelerated Deactivation	RL-TP10	Receives Fab Shop Services for 200-WRAP

4.6.4.1.7 Requirements References

- None

4.6.4.2 Crane & Rigging

4.6.4.2.1 Project Description Summary

Crane and Rigging provides hoisting, rigging and scaffold erection to all Hanford site contractors and provides management and labor to maintain a mobile crane pool, boom yard, rigging equipment, and supply of scaffolding.

4.6.4.2.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.4.2.3 Facility Life-Cycle Requirements

- Requirements

  - Shop facilities shall be operated and maintained and shop services shall be provided in a safe, secure, environmentally sound, and cost-effective manner. Shop services include the provision for fabrication, maintenance (facilities and fleet), crane & rigging services; and provision of courier service, office moves, and light and heavy duty vehicles.

- Planning Assumptions

  - None

4.6.4.2.4 Project Safety Authorization Basis/NEPA and Permits

4.6.4.2.5 Tri-Party Agreement Requirements

- None

4.6.4.2.6 Interfaces

TABLE 4-101 Crane & Rigging Interfaces

Project Title	Project Number	Interface
Tank Waste Characterization	RL-TW01	Receives Lifting (Cranes) for Tank Waste Characterization
Tank Farm Operations	RL-TW03	Receives Lifting (Cranes) for TWRS-200E Receives Lifting (Cranes) for TWRS-200W
Solid Waste Storage & Disposal	RL-WM03	Receives Lifting (Cranes) for 200-SWM
Solid Waste Treatment	RL-WM04	Receives Lifting (Cranes) for 200-TP Receives Lifting (Cranes) for 200-WRAP
Liquid Effluents	RL-WM05	Receives Lifting (Cranes) for 200A-LEF Receives Lifting (Cranes) for 242-A Evap Receives Lifting (Cranes) for 300A-LEF
Analytical Services	RL-WM06	Receives Lifting (Cranes) for Analytical Services
Spent Nuclear Fuel Project	RL-WM01	Receives Lifting (Cranes) for 200 ISA Receives Lifting (Cranes) for SNF
WESF	RL-TP02	Receives Lifting (Cranes) for WESF
PFP	RL-TP05	Receives Lifting (Cranes) for PFP
Accelerated Deactivation	RL-TP10	Receives Lifting (Cranes) for 200-WRAP
PNNL Waste Management	RL-ST01	Receives Lifting (Cranes) for PNNL Waste Mgmt

4.6.4.2.7 Requirements References

- None

4.6.4.3 Maintenance Services

4.6.4.3.1 Project Description Summary

Maintenance Services provides safe, reliable, cost effective maintenance service to Hanford Site contractors yielding the following benefits; 1) A productive work environment as a result of stable building temperature and air quality, 2) Safe, trouble-free facilities and utilities, 3) Quality customized carpentry, painting and sign painting, 4) Non-asbestos insulation to ensure proper equipment function, and 5) Supply of partial or full FTEs within a single craft or any combinations of the following crafts, within available resources. The available crafts are Glazier, Sheetmetal, Painters, Sign Painters, Insulators, Cement Finisher, Carpenters, Millwrights, Pipefitters, Electricians, Instrument Techs, and HVAC maintenance.

4.6.4.3.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.4.3.3 Facility Life-Cycle Requirements

- Requirements

  - Ensure there is an adequate and appropriate infrastructure in place to support the site mission and that least-cost alternatives for providing that support are fully explored and presented to DOE for consideration. This includes management of capital-type expenditures. This work will be accomplished by the Contractor or its subcontractors or by administering such DOE-held contracts as are assigned to the Contractor.
  - Provide all essential infrastructure services in a safe, secure, environmentally sound, and cost-effective manner, optimizing site infrastructure as a whole. The types of services in this area include:
    (a) Maintenance and operations of facilities at Hanford.
    (b) Utilities - Electrical, water, sanitary sewer, process sewer, fire protection, and central steam systems. (See special consideration for the 100, 200, and 300 areas below.)
    (c) Roads, railroads, and other transportation infrastructure.
    (d) Site transportation services, courier service, Government owned/leased vehicles/equipment management and maintenance.
    (e) Janitorial services, fabrication shops, pesticide and herbicide programs.
    (f) Municipal solid waste disposal service.
    (g) Inventory, warehousing, and material management.
    (h) Investment recovery program for excess/surplus materials.
    (i) Real property management.
    (j) Calibration and engineering laboratories.
    (k) Land use planning and management.
    (l) Demolition of excess general purpose facilities.
    (m) Provision of stores.
    (n) Information Resources Management (IRM) Support
    (o) Computer, Local Area Network, and data network operations.
    (p) End-user computer support.
    (q) Information systems, telecommunications, and multi-media services.

- Planning Assumptions

  - None

4.6.4.3.4 Project Safety Authorization Basis/NEPA and Permits

4.6.4.3.5 Tri-Party Agreement Requirements

- None

4.6.4.3.6 Interfaces

TABLE 4-102 Custodial Services Interfaces

Project Title	Project Number	Interface
Tank Farm Operations	RL-TW03	Receives Custodial Services for TWRS-200E Receives Custodial Services for TWRS-200W Receives Custodial Services for TWRS-2704HV Receives Custodial Services for TWRS-MGMT
Immobilized Tank Waste Storage & Disposal	RL-TW09	Receives Custodial Services for Stor&Disp
Solid Waste Storage & Disposal	RL-WM03	Receives Custodial Services for 200-SWM
Solid Waste Treatment	RL-WM04	Receives Custodial Services for 200-TP Receives Custodial Services for 200-WRAP
Liquid Effluents	RL-WM05	Receives Custodial Services for 200A-LEF Receives Custodial Services for 300A-340 Receives Custodial Services for 300A-LEF
Analytical Services	RL-WM06	Receives Custodial Services for Analytical Services
Spent Nuclear Fuel Project	RL-WM01	Receives Custodial Services for SNF
WESF	RL-TP02	Receives Custodial Services for WESF
PFP	RL-TP05	Receives Custodial Services for PFP
Accelerated Deactivation	RL-TP10	Receives Custodial Services for 200-WRAP

4.6.4.3.7 Requirements References

- None

4.6.4.4 Custodial Services

4.6.4.4.1 Project Description Summary

Custodial Services provides safe, reliable, cost effective custodial service to Hanford Site contractors.

4.6.4.4.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.4.4.3 Facility Life-Cycle Requirements

- Requirements

- Provide janitorial services, fabrication shops, and pest (including plant and animal) programs.

- Planning Assumptions

  - None

4.6.4.4.4 Project Safety Authorization Basis/NEPA and Permits

4.6.4.4.5 Tri-Party Agreement Requirements

  - None

4.6.4.4.6 Interfaces

TABLE 4-103 Maintenance Services Interfaces

Project Title	Project Number	Interface
Tank Farm Operations	RL-TW03	Receives Building Maintenance for TWRS-200E Receives Building Maintenance for TWRS-200W Receives Building Maintenance for TWRS-MGMT
Immobilized Tank Waste Storage & Disposal	RL-TW09	Receives Building Maintenance for Stor&Disp
Solid Waste Storage & Disposal	RL-WM03	Receives Maintenance Services Carpenter for 200-SWM Receives Maintenance Services Sheetmetal for 200-SWM
Solid Waste Treatment	RL-WM04	Receives Maintenance Services Carpenter for 200-TP Receives Maintenance Services Carpenter for 200-WRAP Receives Maintenance Services Sheetmetal for 200-TP Receives Maintenance Services Sheetmetal for 200-WRAP
Liquid Effluents	RL-WM05	Receives Building Maintenance for 300A-LEF Receives Maintenance Services Electrician for 200A-LEF Receives Maintenance Services Electrician for 242-A Evap Receives Maintenance Services Electrician for 300A-340 Receives Maintenance Services Electrician for 300A-LEF Receives Maintenance Services Pipefitter for 200A-LEF Receives Maintenance Services Pipefitter for 242-A Evap Receives Maintenance Services Pipefitter for 300A-340 Receives Maintenance Services Pipefitter for 300A-LEF
Spent Nuclear Fuel Project	RL-WM01	Receives Building Maintenance for SNF

4.6.4.4.7 Requirements References

  - None

4.6.4.5 Calibration Labs

4.6.4.5.1 Project Description Summary

Calibration services are provided for the site.

4.6.4.5.2 Life-Cycle Material and Waste Flow

Table 4-104 Calibration Labs Waste/Material Flow (Out)

Major Facility	Category	Period	Value	Units
Environmental Support Facilities	Industrial Waste Water	2000 - 2030	493000	cubic meters

4.6.4.5.3 Facility Life-Cycle Requirements

- Requirements

  - Environmental support facilities shall be operated and maintained and provided in a safe, secure, environmentally sound, and cost-effective manner. This requirement includes provision of calibrations laboratory services

- HANFORD ANALYTICAL SERVICES.

  The Contractor shall:

  (1) Manage and integrate the Hanford Analytical Services to provide analytical, field support, process development services, and optimize the use of a combination of onsite and offsite analytical laboratories. Support and assist Hanford programs and projects in determining and consolidating requirements for analytical services; provide guidance on analytical capabilities and limitations; facilitate the use of Data Quality Objectives; ensure user data quality requirements are met; and provide guidance in interpretation and evaluation of analytical results.

  (2) Consolidate sample management and evaluate forecasted sitewide analytical requirements to assure laboratory core competencies, capabilities, and capacities are maintained and available to meet program needs. The management and evaluation function shall be independent of the administration of the onsite laboratories and of the administration of contracts with offsite laboratories. Oversee analytical laboratory operations to assure safe and effective use of resources, conformance to conduct of operations requirements, and sound environmental practices.

  (3) Conduct a self-assessment program using performance measurements and customer feedback to measure the quality, timeliness, and cost effectiveness of analytical services support, and to provide the basis for continued improvements in services.

  (4) Provide site-wide integration in the development and adoption of Data Quality Objectives (DQO) methodology to determine sampling and analytical requirements for characterization of wastes, facility processing data, and environmental monitoring. Obtain regulator approval of DQO methodology where necessary to demonstrate compliance with legal requirements to provide physical and chemical properties necessary for project execution.

- Planning Assumptions

  - The Hanford Site Infrastructure shall be optimized.
    Develop cost-competitive infrastructure commensurate with mission needs.
    Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.

4.6.4.5.4 Project Safety Authorization Basis/NEPA and Permits

4.6.4.5.5 Tri-Party Agreement Requirements

- None

4.6.4.5.6 Interfaces

In addition to the projects listed, calibration services are provided to numerous other organizations requiring calibration of Measuring and Test Equipment (M&TE). A partial list of these organizations includes the FFTF, 400 area; Site Services; Fire Dept; Industrial Hygiene; K Basins; Salt Wells; SY-101 Project; Process Waste Support; TWRS Management Support; Non-Destructive Examination; FDH AVS; RL and many others.

TABLE 4-105 Calibration Labs Interfaces

Project Title	Project Number	Interface
Tank Waste Characterization	RL-TW01	Receives Non-rad Standards (Calibrations) for Tank Waste Characterization
Tank Farm Operations	RL-TW03	Receives Non-rad Standards (Calibrations) for Tank Farm Ops
Retrieval	RL-TW04	Receives Non-rad Standards (Calibrations) for Retrieval
Immobilized Tank Waste Storage & Disposal	RL-TW09	Receives Non-rad Standards (Calibrations) for Stor&Disp
Solid Waste Storage & Disposal	RL-WM03	Receives Non-rad Standards (Calibrations) for 200-SWM
Solid Waste Treatment	RL-WM04	Receives Non-rad Standards (Calibrations) for 200-WRAP
Liquid Effluents	RL-WM05	Receives 337 Industrial Waste Water Receives Non-rad Standards (Calibrations) for 200A-LEF Receives Non-rad Standards (Calibrations) for 300A-LEF
Analytical Services	RL-WM06	Receives Non-rad Standards (Calibrations) for Analytical Services
Spent Nuclear Fuel Project	RL-WM01	Receives Non-rad Standards (Calibrations) for SNF
Canister Storage Building Operations	RL-WM02	Receives Non-rad Standards (Calibrations) for CSB
WESF	RL-TP02	Receives Non-rad Standards (Calibrations) for WESF
PUREX	RL-TP03	Receives Non-rad Standards (Calibrations) for PUREX
PFP	RL-TP05	Receives Non-rad Standards (Calibrations) for PFP
Accelerated Deactivation	RL-TP10	Receives Non-rad Standards (Calibrations) for 200-WRAP
100 Area Source Remedial Action	RL-ER01	Receives Non-rad Standards (Calibrations) for 100 Area Source Remedial Action

4.6.4.5.7 Requirements References

- DOE/RL-96-92, Hanford Strategic Plan"

4.6.4.6 NDE Labs

4.6.4.6.1 Project Description Summary

Non-Destructive Examination (NDE) is provided.

4.6.4.6.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.4.6.3 Facility Life-Cycle Requirements

- Requirements

  - Environmental support facilities shall be operated and maintained and provided in a safe, secure, environmentally sound, and cost-effective manner. This requirement includes provision of calibrations laboratory services
  - HANFORD ANALYTICAL SERVICES.

    The Contractor shall:

    (1) Manage and integrate the Hanford Analytical Services to provide analytical, field support, process development services, and optimize the use of a combination of onsite and offsite analytical laboratories. Support and assist Hanford programs and projects in determining and consolidating requirements for analytical services; provide guidance on analytical capabilities and limitations; facilitate the use of Data Quality Objectives; ensure user data quality requirements are met; and provide guidance in interpretation and evaluation of analytical results.

    (2) Consolidate sample management and evaluate forecasted sitewide analytical requirements to assure laboratory core competencies, capabilities, and capacities are maintained and available to meet program needs. The management and evaluation function shall be independent of the administration of the onsite laboratories and of the administration of contracts with offsite laboratories. Oversee analytical laboratory operations to assure safe and effective use of resources, conformance to conduct of operations requirements, and sound environmental practices.

    (3) Conduct a self-assessment program using performance measurements and customer feedback to measure the quality, timeliness, and cost effectiveness of analytical services support, and to provide the basis for continued improvements in services.

    (4) Provide site-wide integration in the development and adoption of Data Quality Objectives (DQO) methodology to determine sampling and analytical requirements for characterization of wastes, facility processing data, and environmental monitoring. Obtain regulator approval of DQO methodology where necessary to demonstrate compliance with legal requirements to provide physical and chemical properties necessary for project execution.

- Planning Assumptions

  - The Hanford Site Infrastructure shall be optimized.
    Develop cost-competitive infrastructure commensurate with mission needs.
    Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.

4.6.4.6.4 Project Safety Authorization Basis/NEPA and Permits

4.6.4.6.5 Tri-Party Agreement Requirements

- None

4.6.4.6.6 Interfaces

4.6.4.6.7 Requirements References

- DOE/RL-96-92, Hanford Strategic Plan"

4.6.4.7 Engineering Labs

4.6.4.7.1 Project Description Summary

Engineering Laboratory functions are provided through a contract with COGEMA.

4.6.4.7.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.4.7.3 Facility Life-Cycle Requirements

- Requirements

  - Environmental support facilities shall be operated and maintained and provided in a safe, secure, environmentally sound, and cost-effective manner. This requirement includes provision of calibrations laboratory services

- HANFORD ANALYTICAL SERVICES.

  The Contractor shall:

  (1) Manage and integrate the Hanford Analytical Services to provide analytical, field support, process development services, and optimize the use of a combination of onsite and offsite analytical laboratories. Support and assist Hanford programs and projects in determining and consolidating requirements for analytical services; provide guidance on analytical capabilities and limitations; facilitate the use of Data Quality Objectives; ensure user data quality requirements are met; and provide guidance in interpretation and evaluation of analytical results.

  (2) Consolidate sample management and evaluate forecasted sitewide analytical requirements to assure laboratory core competencies, capabilities, and capacities are maintained and available to meet program needs. The management and evaluation function shall be independent of the administration of the onsite laboratories and of the administration of contracts with offsite laboratories. Oversee analytical laboratory operations to assure safe and effective use of resources, conformance to conduct of operations requirements, and sound environmental practices.

  (3) Conduct a self-assessment program using performance measurements and customer feedback to measure the quality, timeliness, and cost effectiveness of analytical services support, and to provide the basis for continued improvements in services.

  (4) Provide site-wide integration in the development and adoption of Data Quality Objectives (DQO) methodology to determine sampling and analytical requirements for characterization of wastes, facility processing data, and environmental monitoring. Obtain regulator approval of DQO methodology where necessary to demonstrate compliance with legal requirements to provide physical and chemical properties necessary for project execution.

- Planning Assumptions

  - The Hanford Site Infrastructure shall be optimized.
    Develop cost-competitive infrastructure commensurate with mission needs.
    Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.

4.6.4.7.4 Project Safety Authorization Basis/NEPA and Permits

4.6.4.7.5 Tri-Party Agreement Requirements

- None

4.6.4.7.6 Interfaces

4.6.4.7.7 Requirements References

- DOE/RL-96-92, Hanford Strategic Plan"

4.6.4.8 Information Resource Management

4.6.4.8.1 Project Description Summary

The IRM mission is to create an information environment that cost-competitively delivers the right data and information of known quality in a usable form to the people who need it, where they need it, and when they need it. IRM infrastructure at the Hanford Site consists of the computing and software applications environment, telecommunications and network, document control and records management, and media services. IRM is provided under contract with Lockheed Martin Services, Inc.

4.6.4.8.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.4.8.3 Life-Cycle Requirements and Planning Assumptions

- Requirements

  - Telecommunications facilities shall be operated and maintained and telecommunications services shall be provided in a safe, secure, environmentally sound, and cost-effective manner, optimizing site infrastructure as a whole. Telecommunications services shall include: information resources management (IRM) support, computer, local area network, and data network operations, end-user computer support, information systems, telecommunications, and multi-media services.

· INFORMATION AND COMMUNICATION

(1) Information Resources Management (IRM) Support. The current site system consists of a centralized TCP/IP computer network and telephone service (AT&T #5ESS). The Contractor is to maintain the central computer and telecommunication infrastructure as a minimum communication capability.

(2) The Contractor shall provide a sitewide computer network and basic central telecommunication services to the site, but should challenge the approach, cost effectiveness of, and need for existing services and contracting practices for all IRM services. The FY 1996 workscope of the existing IRM subcontract is described in document WHC-SP-1103, Information Management Fiscal Year 1996 Site Support Program Plan WBS 6.4 and is available in the DOE Public Reading Room.

(3) The contractor shall provide IRM services to the Hanford Site in accordance with applicable DOE Orders and the Office of Management and Budget (OMB) A-130 Circular, Management of Federal Information Resources. The workscope includes IRM planning, development, and operations that support the Hanford Mission.

(4) Information Management - The contractor shall maintain management and technical frameworks (an Information Architecture) for information requirements and resources that document linkages between mission needs, information content, and information technology capabilities. These frameworks should guide both strategic and operational IRM planning, and address the steps necessary to create an open systems environment.
The contractor shall:

(a) Acquire or develop information systems in a manner that facilitates necessary interoperability, application portability, and scalability of computerized applications across networks of heterogeneous hardware, software, and communications platforms. The Contractor shall buy and use commercial-off-the-shelf (COTS) software whenever possible.

(b) Ensure that improvements to existing information systems and the development of planned information systems do not unnecessarily duplicate information systems available within the site, from other DOE sites, or from the private sector.

(c) Establish a level of security for all information systems that is commensurate with the risk and magnitude of the harm resulting from the loss, misuse, or unauthorized access to or modification of the information contained in these information systems.

- IRM Planning.

  The contractor shall establish management processes that ensure:

  (a) IRM planning is coordinated with the Hanford Site planning processes including strategic, program, infrastructure, and financial plans.

  (b) IRM planning links information technology requirements to anticipated program and mission needs, reflects budget constraints, and forms the basis for budget requests.

  (c) The cost of each information system is known and managed throughout the life cycle of the information system.
- Data Management

  The contractor shall define data interface and system/network interoperability standards for all sitewide information systems and be responsible for the definition, creation, management, and dissemination of necessary shared Hanford Site data to ensure data consistency across information systems. These data sets are to include that data which is both Hanford Site data and necessary shared data. Examples of these data sets include facility identifiers and names, person identifiers and names, work element identifiers, Waste Type codes and names, constituent codes and names.
- IRM Operations and Support Services - The contractor shall:

  (a) Assume responsibility for existing sitewide and mission critical information systems until, with proper evaluation and planning, it is deemed that replacement or disposition is appropriate. Current network and systems operations include over 650 computer systems, 650 network file servers, and 12,000 work stations, plus the telecommunications infrastructure. The Contractor shall challenge the existing capabilities of these systems/databases as necessary and sufficient to accomplishing the mission at Hanford, and their cost effectiveness. A Hanford Site inventory of information systems is available in the DOE Public Reading Room.

  (b) Provide information systems development, operations, and other support services that are obtained through open competition and meet customer needs. This includes the development and implementation of information systems that support the Hanford Site mission, providing computer customer support ("Help Desk"), operations and maintenance of the telecommunications and computing infrastructure, and providing document, records management, graphics, telephone, and telecon-ferencing, videoconferencing, and mail services.

  (c) Manage and integrate the total IRM support services to provide only those necessary and sufficient IRM services required to support Hanford mission requirements at a competitive cost, consolidating where appropriate, and outsourcing where to the advantage of the Government.

- Records Management.

  The Contractor shall implement a cost-effective records management program that provides adequate and proper documentation of the contractor's activities at the Hanford Site. This includes ensuring that records are readily accessible regardless of form or medium, preserving sufficient data and information to ensure the management and accountability of Hanford activities and protecting the legal and financial rights of the Contractor and the Federal Government.
- Information Locator Service

  The contractor shall maintain and implement a management system for all information products (publications, records, photography, videos, etc.) used on the site, establish and maintain inventories of Hanford Site information products, develop aids to locating Hanford information products, and develop and maintain a sitewide Information Locator Service for use by internal and external customers and stakeholders, in accordance with Section H.22, Information Resources.
- Electronic Commerce

  The Contractor shall implement appropriate technologies and systems to enable the use of electronic commerce for the conduct of site business.

- Planning Assumptions

  - The Hanford Site Infrastructure shall be optimized.
    Develop cost-competitive infrastructure commensurate with mission needs.
    Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.

4.6.4.8.4 Project Safety Authorization Basis/NEPA and Permits

4.6.4.8.5 Tri-Party Agreement Requirements

- None

4.6.4.8.6 Interfaces

TABLE 4-106 Information Resource Management Interfaces

Project Title	Project Number	Interface
Solid Waste Storage & Disposal	RL-WM03	Receives Data (HLAN) Transmission for 200-SWM Receives Transmitted Information Receives Voice (Telephone) Communication for 200-SWM
Solid Waste Treatment	RL-WM04	Receives Data (HLAN) Transmission for 200-TP Receives Data (HLAN) Transmission for 200-WRAP Receives Transmitted Information Receives Voice (Telephone) Communication for 200-TP Receives Voice (Telephone) Communication for 200-WRAP

TABLE 4-106 Information Resource Management Interfaces (Continued)

Project Title	Project Number	Interface
Liquid Effluents	RL-WM05	Receives Data (HLAN) Transmission for 200A-LEF Receives Data (HLAN) Transmission for 242-A Evap Receives Data (HLAN) Transmission for 300A-340 Receives Data (HLAN) Transmission for 300A-LEF Receives Transmitted Information Receives Voice (Telephone) Communication for 200A-LEF Receives Voice (Telephone) Communication for 242-A Evap Receives Voice (Telephone) Communication for 300A-340 Receives Voice (Telephone) Communication for 300A-LEF
Analytical Services	RL-WM06	Receives Data (HLAN) Transmission for Analytical Services Receives Transmitted Information Receives Voice (Telephone) Communication for Analytical Services
Spent Nuclear Fuel Project	RL-WM01	Receives Telecommunications, HLAN Computers for SNF Receives Telecommunications, Voice Communications for SNF Receives Transmitted Information
WESF	RL-TP02	Receives Telecommunications for WESF Receives Transmitted Information
300 Area/SNM	RL-TP04	Receives Transmitted Information
PFP	RL-TP05	Receives Telecommunications for PFP Receives Transmitted Information
HAMMER	RL-HM01	Receives Data (HLAN) Transmission for HAMMER
Advanced Reactors Transition	RL-TP11	Receives Telecommunications for NESF

4.6.4.8.7 Requirements References

- DOE/RL-96-92, Hanford Strategic Plan"

4.6.4.9 Asset Management

4.6.4.9.1 Project Description Summary

The Property Management organization is responsible to perform the following. Manage the Department of Energy's property located at the Hanford site via the Richland Property System (RLPS). Perform the day to day operation and maintenance of the Central Stores Complex with their surrounding grounds, and outdoor storage areas. Provide logistics support for the receiving, storage, issuance, distribution, and accountability of government owned property assigned to the PHMC. Provide processes, programs, and administrative controls for the identification, re-utilization, and disposal of assets no longer required in support of the Hanford mission.

4.6.4.9.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.4.9.3 Life-Cycle Requirements and Planning Assumptions

- Requirements

- Warehouse facilities shall be operated and maintained and warehouse services shall be provided in a safe, secure, environmentally sound, and cost-effective manner. Warehouse services shall include: stores, inventory, warehousing, and material management; and investment recovery program for excess/surplus materials.
- The contractor shall manage the following: (1) Inventory, warehousing, and material management for all high-risk, scrap, and other property (over 60,000 items valued at over $300 million). Procure, receive, accept, maintain, and operate stores inventory for the benefit of DOE and site tenants. Aggressively evaluate needs and reduce onsite inventories, warehousing requirements, and associated cost. Seek ways to minimize shipping, receiving, and distribution functions at the site; take full advantage of vendor storage and rapid delivery capabilities; eliminate redundant quality assurance steps involved in receipt of supplies. Propose alternative courses of action to decentralize or streamline receipt of supplies, and obtain a more direct path from the vendors to the end-user; 2) Investment recovery program for excess/surplus materials/property.
- Government-Owned Facilities The Contractor shall be responsible for the maintenance, operations, surveillance, and disposition of Government-owned general purpose facilities (approximately 420 facilities comprising 1.7 to 2.2 million square feet). It is expected that 139 of these facilities will be vacant by the end of FY 1996.

- Planning Assumptions

  - The Hanford Site Infrastructure shall be optimized.
    Develop cost-competitive infrastructure commensurate with mission needs.
    Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.

4.6.4.9.4 Project Safety Authorization Basis/NEPA and Permits

4.6.4.9.5 Tri-Party Agreement Requirements

- None

4.6.4.9.6 Interfaces

TABLE 4-107 Asset Management Interfaces

Project Title	Project Number	Interface
National Geologic Repository	EXTERNAL	Receives Storage Space (Program Owned) for Stor&Disp
Offsite Sales	EXTERNAL	Receives Excessed Property
Tank Farm Operations	RL-TW03	Receives Storage Space (Infrastructure Owned) for TWRS-200E Receives Storage Space (Infrastructure Owned) for TWRS-200W
Immobilized Tank Waste Storage & Disposal	RL-TW09	Receives Storage Space (Program Owned) for Stor&Disp
Solid Waste Storage & Disposal	RL-WM03	Receives Allocated Storage for CWC
Solid Waste Treatment	RL-WM04	Receives Allocated Storage for 200-WRAP
Liquid Effluents	RL-WM05	Receives Allocated Storage for 242-A Evap
Analytical Services	RL-WM06	Receives Storage Space (Program Owned) for Analytical Services

TABLE 4-107 Asset Management Interfaces (Continued)

Project Title	Project Number	Interface
Spent Nuclear Fuel Project	RL-WM01	Receives Storage Space (Infrastructure Owned) for SNF Receives Storage Space (Leased) for SNF
WESF	RL-TP02	Receives Storage Space (Program Owned) for WESF

4.6.4.9.7 Requirements References

- DOE/RL-96-92, Hanford Strategic Plan"

4.6.5 Emergency Services

4.6.5.a Project Structure

- Fire Protection Program (RL-I151)

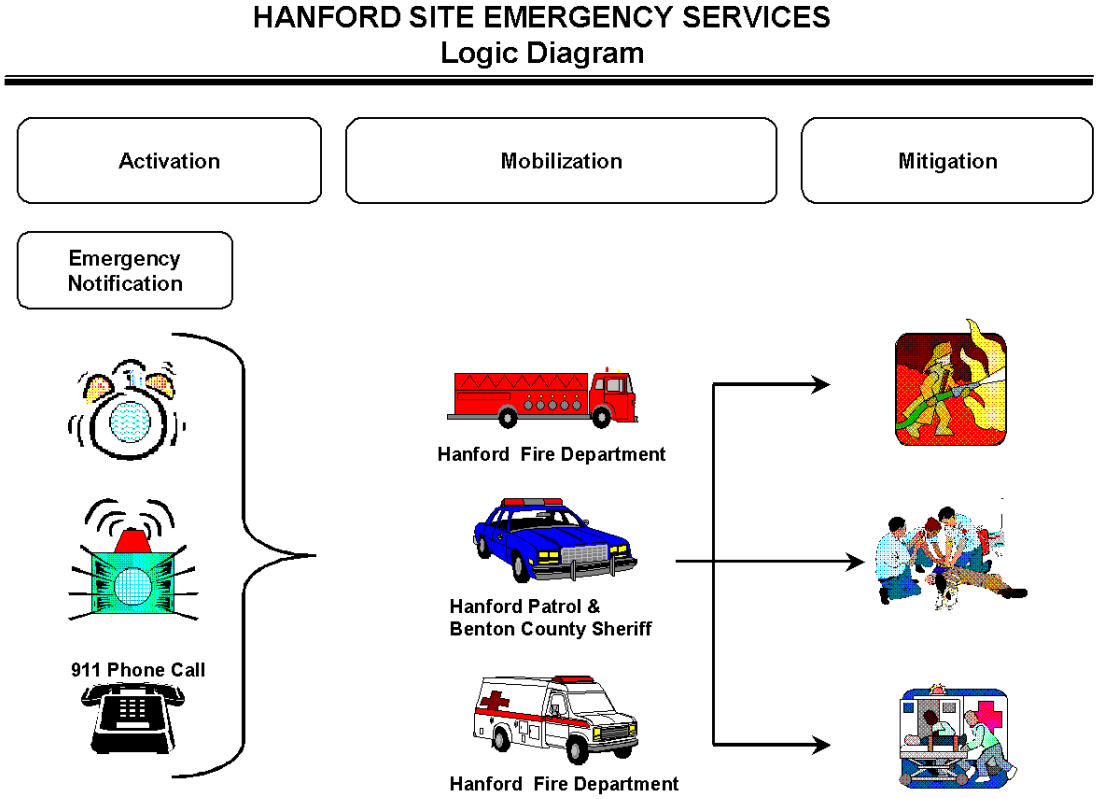
4.6.5.b Hanford Strategic Plan Goals

The Waste, Material, and Geographic Area Goals contained in the Hanford Strategic Plan (DOE/RL-96-92), represent planning assumptions around which the Hanford Environmental Management effort is structured. Each Mission Area and Project partially support each of these goals, per scope of work described in the Prime Contracts. As an aggregate, all Mission Areas and Projects will fulfill the requirements of the Hanford Strategic Plan. As such, the Goals identified in this section cover only the goals directly supported by that specific Mission Area. Further details are contained in the Project planning documents. As records-of-decision are issued, these Goals will be amended in future revisions of the Hanford Strategic Plan.

- None

4.6.5.c Technical Logic

Figure 4-15 Emergency Services Material/Flow Logic



Emergency Services 9-27-99.ppt
Systems Engineering

4.6.5.d Facility Life-Cycle Responsibility Assignments

Table 4-108 Emergency Services Facility Life-Cycle Responsibility Assignments

Asset	Life Cycle Phase						
	Program Planning	Pre-Conceptual	Conceptual	Execute	O&M	Close Out	
						Post Ops	D&D
Emergency Services	RL-I151 RL-TP13				RL-I151 RL-TP13	RL-TP13	RL-TP13
609	RL-I151				RL-I151	RL-TP13	RL-TP13
613	RL-I151				RL-I151	RL-TP13	RL-TP13
609A	RL-I151				RL-I151	RL-TP13	RL-TP13
609B	RL-I151				RL-I151	RL-TP13	RL-TP13
609C	RL-I151				RL-I151	RL-TP13	RL-TP13
609E	RL-I151				RL-I151	RL-TP13	RL-TP13
609G	RL-I151				RL-I151	RL-TP13	RL-TP13
609D	RL-I151				RL-I151	RL-TP13	RL-TP13
3709A	RL-I151				RL-I151	RL-TP13	RL-TP13
3709B	RL-I151				RL-I151	RL-TP13	RL-TP13
4704S	RL-I151				RL-I151	RL-TP13	RL-TP13

* RL PBS Identifier Index:

RL-I151 - Fire Protection Program
RL-TP13 - Landlord

4.6.5.e Performance Measures

4.6.5.1 Fire Protection Program

4.6.5.1.1 Project Description Summary

The mission of the Hanford Fire Department (HFD) is to support the safe and timely cleanup of the Hanford site by providing a full range of services at the lowest possible cost to customers. These services include incident command and control, fire suppression, fire prevention, emergency rescue, emergency medical service, and hazardous materials response; and to be capable of dealing with and terminating emergency situations which could threaten the operations, employees, the general public, or interest of the U. S. Department of Energy operated Hanford Site. This includes response to surrounding fire departments/districts under mutual aid and state mobilization agreements and fire fighting, hazardous materials, and ambulance support to Washington Public Power Supply System (Supply System) and various commercial entities operating on site through Requests for Service from DOE-RL. The fire department also provides site fire marshal overview authority, fire system testing and maintenance, respiratory protection services, building tours and inspections, ignitable and reactive waste site inspections, prefire planning, and employee fire prevention education.

4.6.5.1.2 Life-Cycle Material and Waste Flow

This project has no responsibility for managing waste inventory.

4.6.5.1.3 Facility Life-Cycle Requirements

- Requirements

  - Emergency services facilities shall be operated and maintained and emergency services shall be provided in a safe, secure, environmentally sound, and cost-effective manner.
  - Fire Department and emergency response services. Provide fire protection engineering services and related fire department emergency response services for fire suppression, rescue, emergency medical and ambulance, hazardous material responses, fire system inspection and maintenance, and fire prevention. Provide the capability to deal with and terminate emergency situations that could threaten the operations, employees, environment, or property of the Hanford Site.

- Planning Assumptions

  - The Hanford Site Infrastructure shall be optimized.
    Develop cost-competitive infrastructure commensurate with mission needs.
    Involve staff and community in the outsourcing process to assure the most cost competitive infrastructure.

4.6.5.1.4 Project Safety Authorization Basis/NEPA and Permits

4.6.5.1.5 Tri-Party Agreement Requirements

  - None

4.6.5.1.6 Interfaces

4.6.5.1.7 Requirements References

  - DOE/RL-96-92, Hanford Strategic Plan"