

# Project Baseline Summary Report

Data Source: **EM CDB**  
Operations/Field Office: **Richland**  
Site Summary Level: **Hanford Site**  
Project **RL-TP10 / Accelerated Deactivation**

Report Number: **GEN-01b**  
Print Date: **3/9/2000**  
HQ ID: **0410**

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## General Project Information

### Project Description Narratives

#### Purpose, Scope, and Technical Approach:

**Purpose:** The purpose of this project is to provide minimum safe surveillance and maintenance and deactivate all Hanford contaminated facilities 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 radiological 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 these facilities 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 of the 39 (231-Z, 222T, 222U, and 2704C) were recently transferred to Facility Stabilization Project (FSP) and the transfer of four others (242B, 242BL, 209E, and 2718E) is expected during the next fiscal year.

**Scope:** Specific project scope from the Hanford Site technical baseline is provided below in terms of the systems that the project has responsibility for.

200 LEF

- **Maintain Safe & Compliant 242-A Evaporator Facility in CP Areas:** Maintains safe & compliant 242-A Evaporator beginning in FY 2014. Activities at this time will include: corrective maintenance and preventative maintenance to maintain facility systems and structures (including equipment calibrations); routine radiological surveys, source checks, and dosimetry; ventilation/power and operational surveillances; procedure maintenance; environmental compliance; waste handling; assessments/evaluations; emergency response planning and associated training; quality and safety oversight; and performing minimum safe upgrades which may be necessary.
- **Maintain Safe & Compliant 200 Area Effluent Treatment Facility in CP Areas:** Maintains safe & compliant 200 Area Effluent Treatment Facility beginning in FY 2032. Activities at this time will include: corrective maintenance and preventative maintenance to maintain facility systems and structures (including equipment calibrations); routine radiological surveys, source checks, and dosimetry; ventilation/power and operational surveillances; procedure maintenance; environmental compliance; waste handling; assessments/evaluations; emergency response planning and associated training; quality and safety oversight; and performing minimum safe upgrades which may be necessary.
- **Maintain Safe & Compliant Liquid Effluent Retention Facility in CP Areas:** Maintains safe & compliant Liquid Effluent Retention Facility (LERF) beginning in FY 2032. Activities at this time will include: corrective maintenance and preventative maintenance to maintain facility systems and structures (including equipment calibrations); routine radiological surveys, source checks, and dosimetry; ventilation/power and operational surveillances; procedure maintenance; environmental compliance; waste handling; assessments/evaluations; emergency response planning and associated training; quality and safety oversight; and performing minimum safe upgrades which may be necessary.

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· Transition 242-A Evaporator Facility: Transitions the 242-A Evaporator beginning in FY 2014. Transition activities include: performing facility assessment and characterization activities; developing NEPA and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance (S&M) plans, deactivation endpoints and a turnover package; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; removing excess materials and equipment where economical; reconfiguring systems to facilitate post-deactivation S&M and eventual decontamination and decommissioning (D&D); "mothballing" of systems necessary for post-deactivation S&M and D&D; performing limited decontamination and stabilizing of radioactive contamination; closing facility penetrations to prevent bird, animal and weather intrusion; and performing project management.

· Transition 200 Area Effluent Treatment Facility: Transitions 200 Area Effluent Treatment Facility beginning in FY 2032. Transition activities include: performing facility assessment and characterization activities; developing NEPA and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance (S&M) plans, deactivation endpoints and a turnover package; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; removing excess materials and equipment where economical; reconfiguring systems to facilitate post-deactivation S&M and eventual decontamination and decommissioning (D&D); "mothballing" of systems necessary for post-deactivation S&M and D&D; performing limited decontamination and stabilizing of radioactive contamination; closing facility penetrations to prevent bird, animal and weather intrusion; and performing project management.

· Transition Liquid Effluent Retention Facility: Transitions the Liquid Effluent Retention Facility (LERF) beginning in FY 2032. Transition activities include: performing facility assessment and characterization activities; developing NEPA and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance (S&M) plans, deactivation endpoints and a turnover package; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; removing excess materials and equipment where economical; reconfiguring systems to facilitate post-deactivation S&M and eventual decontamination and decommissioning (D&D); "mothballing" of systems necessary for post-deactivation S&M and D&D; performing limited decontamination and stabilizing of radioactive contamination; closing facility penetrations to prevent bird, animal and weather intrusion; and performing project management.

### PUREX

· Store Nuclear Materials in the PUREX Tunnel: Store radioactive waste and materials in the PUREX tunnel.

### T-Plant Facility

· Maintain Safe & Compliant T-Plant Facility in CP Areas: Maintains safe & compliant 221-T (T Plant canyon and associated ancillary facilities) beginning in either FY 2005 or FY 2019 (if utilized for future remote handled Transuranic processing). Activities at this time will include: corrective maintenance and preventative maintenance to maintain facility systems and structures (including equipment calibrations); routine radiological surveys, source checks, and dosimetry; ventilation/power and operational surveillances; procedure maintenance; environmental compliance; waste handling; assessments/evaluations; emergency response planning and associated training; quality and safety oversight; and performing minimum

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safe upgrades which may be necessary.

· Transition T-Plant Facility: Transitions the 221-T (T Plant canyon and associated ancillary facilities) beginning in either FY 2005 or FY 2019 (if utilized for future remote handled Transuranic processing). Transition activities include: performing facility assessment and characterization activities; developing NEPA and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance (S&M) plans, deactivation endpoints and a turnover package; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; removing excess materials and equipment where economical; reconfiguring systems to facilitate post-deactivation S&M and eventual decontamination and decommissioning (D&D); "mothballing" of systems necessary for post-deactivation S&M and D&D; performing limited decontamination and stabilizing of radioactive contamination; closing facility penetrations to prevent bird, animal and weather intrusion; and performing project management.

2706T

· Maintain Safe & Compliant 2706-T Decontamination Facility in CP Areas: Maintains safe & compliant 2706-T facility beginning in FY 2036. Activities at this time will include: corrective maintenance and preventative maintenance to maintain facility systems and structures (including equipment calibrations); routine radiological surveys, source checks, and dosimetry; ventilation/power and operational surveillances; procedure maintenance; environmental compliance; waste handling; assessments/evaluations; emergency response planning and associated training; quality and safety oversight; and performing minimum safe upgrades which may be necessary.

· Transition 2706-T Decontamination Facility in CP Areas: Transitions the 2706-T facility beginning in FY 2036. Transition activities include: performing facility assessment and characterization activities; developing NEPA and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance (S&M) plans, deactivation endpoints and a turnover package; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; removing excess materials and equipment where economical; reconfiguring systems to facilitate post-deactivation S&M and eventual decontamination and decommissioning (D&D); "mothballing" of systems necessary for post-deactivation S&M and D&D; performing limited decontamination and stabilizing of radioactive contamination; closing facility penetrations to prevent bird, animal and weather intrusion; and performing project management.

M-91 Facility

· Maintain Safe & Compliant M-91 Facility in CP Areas: Maintains safe & compliant M-91 Facility beginning in FY 2032. Activities at this time will include: corrective maintenance and preventative maintenance to maintain facility systems and structures (including equipment calibrations); routine radiological surveys, source checks, and dosimetry; ventilation/power and operational surveillances; procedure maintenance; environmental compliance; waste handling; assessments/evaluations; emergency response planning and associated training; quality and safety oversight; and performing minimum safe upgrades which may be necessary.

· Transition M-91 Facility: Transitions M-91 Facility beginning in FY 2032. Transition activities include: performing facility assessment and characterization activities; developing NEPA and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance

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(S&M) plans, deactivation endpoints and a turnover package; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; removing excess materials and equipment where economical; reconfiguring systems to facilitate post-deactivation S&M and eventual decontamination and decommissioning (D&D); "mothballing" of systems necessary for post-deactivation S&M and D&D; performing limited decontamination and stabilizing of radioactive contamination; closing facility penetrations to prevent bird, animal and weather intrusion; and performing project management.

### WRAP

· Maintain Safe & Compliant WRAP Facility in CP Areas: Maintains safe & compliant Waste Retention and Processing (WRAP) Facility beginning in FY 2032. Activities at this time will include: corrective maintenance and preventative maintenance to maintain facility systems and structures (including equipment calibrations); routine radiological surveys, source checks, and dosimetry; ventilation/power and operational surveillances; procedure maintenance; environmental compliance; waste handling; assessments/evaluations; emergency response planning and associated training; quality and safety oversight; and performing minimum safe upgrades which may be necessary.

· Transition WRAP Facility: Transitions the Waste Retention and Processing (WRAP) Facility beginning in FY 2032. Transition activities include: performing facility assessment and characterization activities; developing NEPA and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance (S&M) plans, deactivation endpoints and a turnover package; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; removing excess materials and equipment where economical; reconfiguring systems to facilitate post-deactivation S&M and eventual decontamination and decommissioning (D&D); "mothballing" of systems necessary for post-deactivation S&M and D&D; performing limited decontamination and stabilizing of radioactive contamination; closing facility penetrations to prevent bird, animal and weather intrusion; and performing project management.

### Solid Waste Storage

· Maintain Safe & Compliant Transuranic Storage and Assay Facility in Central Plateau Areas: Maintains safe & compliant Transuranic Storage and Assay Facility (TRUSAF) beginning in FY 2000. Activities at this time will include: corrective maintenance and preventative maintenance to maintain facility systems and structures (including equipment calibrations); routine radiological surveys, source checks, and dosimetry; ventilation/power and operational surveillances; procedure maintenance; environmental compliance; waste handling; assessments/evaluations; emergency response planning and associated training; quality and safety oversight; and performing minimum safe upgrades which may be necessary.

· Transition Transuranic Storage and Assay Facility: Transitions the Transuranic Storage and Assay Facility (TRUSAF) beginning in FY 2001. Transition activities include: performing facility assessment and characterization activities; developing NEPA and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance (S&M) plans, deactivation endpoints and a turnover package; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; removing excess materials and equipment where economical; reconfiguring systems to facilitate post-deactivation S&M and eventual decontamination and decommissioning (D&D); "mothballing" of systems necessary for post-deactivation S&M and D&D; performing limited decontamination and stabilizing of radioactive contamination; closing facility penetrations to prevent bird, animal and weather intrusion; and

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performing project management.

222-S Laboratory

· Maintain Safe & Compliant 222-S Laboratory Facility in Central Plateau Areas: Maintains safe & compliant 222-S Laboratory and associated ancillary facilities beginning in FY 2036. Activities at this time will include: corrective maintenance and preventative maintenance to maintain facility systems and structures (including equipment calibrations); routine radiological surveys, source checks, and dosimetry; ventilation/power and operational surveillances; procedure maintenance; environmental compliance; waste handling; assessments/evaluations; emergency response planning and associated training; quality and safety oversight; and performing minimum safe upgrades which may be necessary.

· Transition 222-S Laboratory Facility: Transitions 222-S Laboratory and associated ancillary facilities beginning in FY 2035. Transition activities include: performing facility assessment and characterization activities; developing NEPA and other regulatory documentation, deactivation plans, post-deactivation surveillance and maintenance (S&M) plans, deactivation endpoints and a turnover package; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; removing excess materials and equipment where economical; reconfiguring systems to facilitate post-deactivation S&M and eventual decontamination and decommissioning (D&D); "mothballing" of systems necessary for post-deactivation S&M and D&D; performing limited decontamination and stabilizing of radioactive contamination; closing facility penetrations to prevent bird, animal and weather intrusion; and performing project management.

Technical Approach: The end point targets in the Hanford Strategic Plan addressed by this project include:

- Spent fuels consolidated in the 200 Area in safe, stable, cost-effective interim storage pending national decisions on their ultimate disposition.
- Transition high cost surplus facilities in the Central Plateau Area to a low cost, stable, deactivated condition.
- Provide safe, stable, interim storage for nuclear materials in the 200 Area pending decisions on their ultimate disposition.

### Project Status in FY 2006:

T-Plant Facility

- Transition of the T-Plant canyon facility will be completed by FY 2004 unless a future mission is identified for the facility.

2706T

- Continued low-dose alpha/beta/gamma decontamination, waste verification, and mixed waste treatment activities. Operations at the 2706-T complex are projected to expand as the Hanford site accomplishes more waste treatment activities.

Solid Waste Storage

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- Transition of the Transuranic Storage and Assay Facility is complete in FY 2000.

### Post-2006 Project Scope:

T-Plant Facility

- T-Plant Canyon Facility transition completed by FY 2004.

2706T

- Continue low-dose alpha/beta/gamma decontamination, waste verification, and mixed waste treatment activities. Operations will continue through FY 2035.

Solid Waste Storage

- Transition of the Transuranic Storage and Assay Facility completed in FY 2000.

### Project End State

Specific work activities to close the facilities under this Project to be performed by others at the end of this Project's mission are identified below.200 LEF

Work associated with facility performed by Landlord:

Survey and Maintain 200 Area TEDF

Transition 200 Area TEDF

Disposition 200 Area TEDF

Work associated with facility performed by Decontamination & Decommissioning:

Decontaminate and Decommission (D&D) 242-A Evaporator Facility

Decontaminate and Decommission (D&D) 200 Area Effluent Treatment Facility

Decontaminate and Decommission (D&D) Liquid Effluent Retention Facility

Work associated with facility performed by Liquid Effluents:

200 LWPF Minimum Safe

Provide 200 LWPF Life Extension/Upgrade

PUREX

Work associated with facility performed by PUREX:

Transition Plutonium Uranium Extraction Plant Facility

Maintain Safe & Compliant Plutonium Uranium Extraction Plant Facility in CP Areas

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## Project Description Narratives

Work associated with facility performed by Decontamination & Decommissioning:  
Decontaminate and Decommission (D&D) Plutonium Uranium Extraction Plant Facility

### T-Plant Facility

Work associated with facility performed by Solid Waste Treatment:

Provide Secondary Containment Startup and Readiness

Provide T-Plant Life Extensions/Upgrades

Provide T Plant Mortgage Reduction/Facility Closure

Maintain T Plant Canyon Readiness

Work associated with facility performed by Decontamination & Decommissioning:

Decontaminate and Decommission (D&D) T-Plant Facility

### 2706T

Work associated with facility performed by Decontamination & Decommissioning:

Decontaminate and Decommission (D&D) 2706-T Facility

Work associated with facility performed by Solid Waste Treatment:

Provide 2706-T Essential Services

Provide 2706-T Life Extensions/Upgrades

Maintain 2706-T Facility Readiness

Provide 2706-T LLW/LLMW Treatment Services

### M-91 Facility

Work associated with facility performed by Solid Waste Treatment:

Retrieve CH TRU (Phase I/II)

Construct RH/GTC3/MLLW Treatment Facility

Operate RH/GTC3/MLLW Treatment Facility

Retrieve RH TRU

Provide RMW Minimum Treatment Requirements

Construct RH-TRU Processing Facility

Operate RH-TRU Processing Facility

Provide RMW Mortgage Reduction

Work associated with facility performed by Decontamination & Decommissioning:

Decontaminate and Decommission (D&D) M-91 Facility

### WRAP

Work associated with facility performed by Solid Waste Treatment:

Maintain TRU/LLW Processing Capability

Maintain WRAP NDE/NDA Verification Capability

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## Project Description Narratives

Maintain WRAP Facility Readiness

Upgrade/Maintain Computer Equipment Interface

Work associated with facility performed by Decontamination & Decommissioning:

Decontaminate and Decommission (D&D) WRAP Facility

Solid Waste Storage

Work associated with facility performed by Decontamination & Decommissioning:

Decontaminate and Decommission (D&D) Transuranic Storage and Assay Facility

Decontaminate and Decommission (D&D) Central Waste Complex Facility

Decontaminate and Decommission (D&D) Non-Radioactive Dangerous Waste Storage Facility

Work associated with facility performed by Solid Waste Storage & Disposal:

Provide Solid Waste Storage Essential Services

Provide Solid Waste Storage Mortgage Reduction

Maintain Storage of LLW, LLMW, TRU, TRUM

Provide Solid Waste Storage Life Extensions/Upgrades

222-S Laboratory

Work associated with facility performed by Analytical Services:

Maintain 222-S Facility/Analytical Readiness

Provide 222-S Life Extensions/Upgrades

Provide 222-S Operations Essential Services

Provide Mobile In-Field Analytical Services

Provide Commercial Laboratory Services

Work associated with facility performed by Decontamination & Decommissioning:

Decontaminate and Decommission (D&D) 222-S Laboratory Facility

## Cost Baseline Comments:

The size, complexity, hazard category, and contamination as a result of past operation are major factors contributing to the project cost. The current project cost estimate and schedule are based upon the following key assumptions:

Since the total scope to deactivate these facilities to a "caretaker" status has not yet been determined, deactivation end point criteria and project management plans will be developed to establish the project scope, cost, schedules and more accurate performance measures.

Even though S&M budget has been planned for this project, 3 years advance notice of transfer should be received to allow the additional S&M budget to be planned, requested and approved. If this amount of lead time cannot be provided, additional funding may need to be provided by the sending program in cases where existing S&M budget is not sufficient.

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Generally speaking it is assumed that sufficient funding will be available to permit the development of facility specific planning and environmental documentation so that physical work can begin within three years after receipt of the facility into this project.

Cost to develop alternate, or modify existing SNM/NM/NF storage locations, to treat or otherwise stabilize SNM/NM/NF materials, except as necessary to consolidate and remove them from a given facility, are not included in this project.

Many of the facilities listed have a continuing mission today. It is assumed that the 32 facilities will not have viable missions in the near term and will be transferred into this project between FY 00 and by FY 07. As facilities are deactivated they will be turned over to EM-40 for D&D in groups, the groups consisting of facilities located within the same geographic area. The remaining 16 facilities in this project are assumed to have viable missions beyond FY 2010, and deactivation of these facilities will begin as their missions end. The last facility deactivations will complete by the end of FY 2037.

To plan funding needs it is assumed that upon completion of deactivation, a facility can be turned over to EM-40 within a 2 year period (so only 2 years of post-deactivation S&M funding are included).

This project does not include deactivation of facilities operated by TWRS (unless specifically mentioned in the Technical Scope narrative).

This project does not include deactivation of proposed facilities, those currently in construction, or those planned to be "privatized".

This project does not include funding to perform deactivation of T Plant and associated facilities. Since T Plant and its associated facilities are part of a complex, a separate PBS needs to be developed to deactivate this complex upon completion of its mission.

This project does not perform or provide funding for D&D or any Operable Unit remediation (i.e. soil washing or removal, ground water treatment, remediation of underground piping, tanks, waste burial grounds, cribs, ditches, ponds etc.).

### **Safety & Health Hazards:**

Most of the facilities covered in this project are not in close proximity to the Columbia River or other areas occupied by the general public. 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 failures 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 and the environment.

Work activities likely to place the workers at risk include: removing inventory materials [Special Nuclear Materials, Nuclear Materials, Nuclear Fuel (SNM/NM/NF)]; flushing, isolating and blanking of process or subprocess systems; removing radioactive and hazardous materials and mixed wastes; deactivating non-essential systems and utilities; reconfiguring systems to facilitate long-term surveillance and maintenance (LTS&M) and eventual decontamination and decommissioning (D&D); "mothballing" of systems necessary for LTS&M and D&D; limited decontaminating and stabilizing of radioactive contamination; and closing facility penetrations to prevent bird, animal and weather intrusion.

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### Safety & Health Work Performance:

ES&H activities include providing industrial hygiene, industrial safety, radiation protection, emergency preparedness and associated ES&H management and oversight during performance of surveillance and maintenance and deactivation activities.

Industrial Hygiene activities include anticipation, recognition, evaluation and control of health and safety hazards through pre-job safety analysis and personnel protective clothing and equipment recommendations.

Industrial Safety activities include administration of electrical safety; machinery and machine guarding; personnel protection; accident investigation and reporting; high stored energy system safety; hoisting, rigging and material handling; lock-out/tag-out; confined space controls; platform, manlift and scaffolding usage; and welding and cutting safety.

Radiation Protection activities include ALARA programs; utilization of equipment, instruments and procedures to minimize or mitigate radiological exposure; and controlling radiation sources.

### PBS Comments:

Most of the facilities in the 200 Areas are radiologically and/or contaminated with hazardous materials. Only a few facilities in this project contain only hazardous contamination.

### Baseline Validation Narrative:

Rough Order of Magnitude cost estimates are based upon previous facility surveillance and maintenance and deactivation experience and professional judgement. An updated estimate for this PBS is scheduled to be completed in the 4th Quarter of FY 1999 to support the FY 2000 Multi-Year Work Plan development. An Independent Review is planned for the 1st quarter of FY 2000.

## General PBS Information

**Project Validated?**

**Date Validated:**

**Has Headquarters reviewed and approved project?**

Yes

**Date Project was Added:** 12/1/1997

**Baseline Submission Date:**

**FEDPLAN Project?** Yes

Drivers:	CERCLA	RCRA	DNFSB	AEA	UMTRCA	State	DOE Orders	Other
	Y	Y					Y	

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## General PBS Information

### Project Identification Information

**DOE Project Manager:** Larry D. Romine  
**DOE Project Manager Phone Number:** 509-376-4747  
**DOE Project Manager Fax Number:** 509-376-0695  
**DOE Project Manager e-mail address:** larry\_d\_romine@rl.gov  
**Is this a High Visibility Project (Y/N):**

## Planning Section

### Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006	
PBS Baseline (current year dollars)	98,007	508,894	606,901			3,637	2,484	2,666	4,545	6,392	5,341	5,058	6,603	32,251	31,514	
PBS Baseline (constant 1999 dollars)	87,877	282,472	370,349			3,637	2,484	2,666	4,452	6,126	5,008	4,641	5,928	28,331	27,088	
PBS EM Baseline (current year dollars)	98,007	508,894	606,901			3,637	2,484	2,666	4,545	6,392	5,341	5,058	6,603	32,251	31,514	
PBS EM Baseline (constant 1999 dollars)	87,877	282,472	370,349			3,637	2,484	2,666	4,452	6,126	5,008	4,641	5,928	28,331	27,088	
	2007	2008	2009	2010	2011- 2015	2016- 2020	2021- 2025	2026- 2030	2031- 2035	2036- 2040	2041- 2045	2046- 2050	2051- 2055	2056- 2060	2061- 2065	2066- 2070
PBS Baseline (current year dollars)	36,404	12,209	12,533	12,356	53,289	30,213	15,589	0	187,201	149,100	0	0				
PBS Baseline (constant 1999 dollars)	30,617	10,047	10,092	9,735	39,350	20,010	9,260	0	89,456	63,905	0	0				

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	2007	2008	2009	2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
PBS EM Baseline (current year dollars)	36,404	12,209	12,533	12,356	53,289	30,213	15,589	0	187,201	149,100	0	0				
PBS EM Baseline (constant 1999 dollars)	30,617	10,047	10,092	9,735	39,350	20,010	9,260	0	89,456	63,905	0	0				

## Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
	0.00%	0.00%	2.10%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%
2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%	2.20%				

## Project Reconciliation

### Project Completion Date Changes:

Previously Projected End Date of Project: 9/30/2037

Current Projected End Date of Project: 9/30/2037

Explanation of Project Completion Date Difference (if applicable):

### Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):	278,711	Actual 1997 Cost:	Actual 1998 Cost:	2,484
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	276,227	Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):		7,458
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	283,685			

### Project Cost Changes

Dataset Name: **FY 1999 Planning Data**

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Date of Dataset: **9/20/1999**

# Project Baseline Summary Report

Data Source: **EM CDB**  
 Operations/Field Office: **Richland**  
 Site Summary Level: **Hanford Site**  
 Project **RL-TP10 / Accelerated Deactivation**

Report Number: **GEN-01b**  
 Print Date: **3/9/2000**  
 HQ ID: **0410**

## Project Reconciliation

### Cost Adjustments    Reconciliation Narratives

Cost Change Due to Scope Deletions (-):	
Cost Reductions Due to Efficiencies (-):	
Cost Associated with New Scope (+):	
Cost Growth Associated with Scope Previously Reported (+):	
Cost Reductions Due to Science & Technology Efficiencies (-):	
<b>Subtotal:</b>	283,685
<b>Additional Amount to Reconcile (+):</b>	83,027
<hr/>	
<b>Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):</b>	<b>366,712</b>

## Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
END POINT METHOD IMPROVEMENT	TRP-99-800	6/25/1999	6/25/1999								
Begin Accelerated Deactivation Project	PBS-97-022		2/28/1997								
PBS Mission Completion	PBS-MC-022		9/30/2037								
PBS Project End	PBS-PE-022		9/30/2037								

## Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
END POINT METHOD IMPROVEMENT	TRP-99-800										Develop the next generation deactivation end point specification methodology and the associated software update to incorporate lessons learned from previous experience with PUREX and B Plant.
Begin Accelerated Deactivation	PBS-97-022			Y							Administrative input to document

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

# Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Richland**

Print Date: **3/9/2000**

Site Summary Level: **Hanford Site**

HQ ID: **0410**

Project **RL-TP10 / Accelerated Deactivation**

## Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
Project											the start of this PBS.
PBS Mission Completion	PBS-MC-022					Y					Administrative input to document the mission completion of this PBS.
PBS Project End	PBS-PE-022				Y						Administrative input to document the project end of this PBS.

## Performance Measure Metrics

Category/Subcategory	Units	1997-2006 Total	2007-2070 Total	1997-2070 Total	Actual Pre-1997	Planned 1997	Actual 1997	Planned 1998	Planned 1999	Planned 2000	Planned 2001	Planned 2002	Planned 2003	Planned 2004
Fac.														
Decom.- Assess.	NF	0.00	1.00	1.00										
Fac.														
Decom- Cleanup	NF	1.00	1.00	2.00				1.00						
Fac.														
Deact. During Per.	NF	9.00	38.00	47.00	1.00	1.00	1.00							1.00
Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035	Planned 2036 - 2040
Fac.														
Decom.- Assess.	NF								1.00					
Fac.														
Decom- Cleanup	NF											1.00		
Fac.														
Deact. During Per.	NF		5.00	2.00			1.00	1.00	5.00	1.00	20.00			5.00

Dataset Name: **FY 1999 Planning Data**

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Date of Dataset: **9/20/1999**

# Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Richland**

Site Summary Level: **Hanford Site**

Project **RL-TP10 / Accelerated Deactivation**

Report Number: **GEN-01b**

Print Date: **3/9/2000**

HQ ID: **0410**

Category/Subcategory	Units	Planned 2036 - 2040	Planned 2041 - 2045	Planned 2046 - 2050	Planned 2051 - 2055	Planned 2056 - 2060	Planned 2061 - 2035	Planned 2066 - 2070	Exceptions	Lifecycle Total
<b>Fac.</b>										
<b>Decom.- Assess.</b>	NF								1.00	2.00
<b>Fac.</b>										
<b>Decom- Cleanup</b>	NF									2.00
<b>Fac.</b>										
<b>Deact. During Per.</b>	NF	5.00							24.00	72.00

## Facility Decommissioning

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
HASI	3559		2704C	\					1997		7/31/1997	1998		7/31/1998				
HASI	8517		212P	\		2013			2015			2023						

## Facility Deactivation

Site Code	RSF ID	Change Flag	Description	Class/Subclass	Hazard	Plan. Assess. Year	Fore. Assess. Year	Actual Assess. Date	Plan. Deac. Year	Fore. Deac. Year	Actual Deac. Date	Plan. Comp. Year	Fore. Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
HASI	3559		2704C	\					1997		7/31/1997	1998		7/31/1998				
HASI	8517		212P	\		2013			2015			2023						