

Project Operating Plan – Richland - Hanford Site – Nuclear Facility Demolition and Decommissioning - River Corridor Closure Project

Attachment B:

Richland - Hanford Site – Nuclear Facility Deactivation and Decommissioning (D & D) - River Corridor Closure Project Operating Plan

BACKGROUND

ARRA Project: Richland - Hanford Site - D&D of River Corridor
TAFS: 89-09/10-0253
Project Identification Code: 2002111
ARRA Bill Reference: PL 111-5, Title IV – Energy and Water Development, Defense Environmental Cleanup (H.R. 1-26)
Project Cost: \$383,889,000
Budget Authority: STARS Fund Code: 06049, FD0211
Program Office: Environmental Management (EM)
Recovery Program Plan: EM - Defense
Management Office: **Dave Brockman**, Manager, Richland Operations Office, (David_A_Brockman@rl.gov), 509-376-7395
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LEADS

Implementation: Richland – Hanford Site
Breakthrough: NA
Laboratory: NA

I. SUMMARY & OBJECTIVES

Summary:

The River Corridor Deactivation and Decommissioning (D&D) Project involves acceleration of the 100K Area D&D scope, the expansion and upgrade of the Environmental Restoration Disposal Facility (ERDF) and the confirmatory sampling and waste site remediation of certain Orphan Sites. The required funding of \$383.9M from the American Recovery and Reinvestment Act (ARRA) work enhances the ability to complete deactivation and decommissioning of facilities that provide no further value thereby reducing long-term liabilities and maximizing resources for cleanup. The funding also provides enhanced disposal capacity for soil and D&D debris (contaminated with radioactive and hazardous constituents) generated by cleanup work at the Hanford Site. ARRA funding will reduce the operational footprint at Hanford by 8% for work performed under this Project Operating Plan (POP). The project scope is described below:

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100K Area Remediation (RL-0041.R1.1)

This scope involves the Deactivation, Decommission, Decontamination, and Demolition and (D4) (and with funds permitting, possible disposition. See Table 8) of surplus facilities and the remediation of hazardous waste sites in the 100K area of the Hanford Site located near the Columbia River. Remediation will include areas such as the K West Sedimentation Basin Complex that was used to treat cooling water for the two 100K Area Reactors. During operations the basin had the capacity to deliver 200,000 gallons per minute of treated cooling water for each Reactor. The KW Sedimentation Basin Complex footprint is approximately 6 football fields. Scope will include: 1) completing deactivation and decommissioning (D&D) of facilities that provide no further value to reduce long-term liabilities and maximize resources for cleanup, 2) remediating sources of soil and ground water contamination containing radioactive and hazardous constituents, and 3) reconfiguring/relocating/replacing systems impacted by D&D that are required to support remaining site operations in a safe and cost effective manner to reduce risk.

This ARRA funded scope will accelerate demolition of the 100 K Area facilities by approximately 4 years. This acceleration moves the original completion date for this project from 2016 to 2011. By the end of fiscal year 2011, twelve (12) facilities in the 100K Area ancillary facilities not needed to support Sludge Treatment Project will be decontaminated and demolished and forty-nine (49) waste sites will be remediated.

ERDF Expansion and Upgrades (RL-0041.R1.2)

ERDF Cell Expansion The Hanford disposal capacity needs are increasing at faster-than-planned rates due to the acceleration of workscope funded by ARRA. This project provides for the construction of super cells 9 and 10 at the Environmental Restoration Disposal Facility (ERDF) providing for the increased disposal capacity in a timely manner. The work will involve construction that will add about 5,079,200 metric tons (5.6 million tons) of waste disposal capacity to ERDF, bringing the total capacity of the facility to about 15,065,200 metric tons (16.6 million tons).

This project includes modifying the previous design by combining the area of two cells into a single super cell with costs savings in the construction and operating costs of the cell. By combining two side by side cells, the updated design 1) eliminates one sump and associated infrastructure, (2) allows the use of either a geocomposite or aggregate in the secondary leachate collection system, (3) allows the use of alternative hydraulic conductivity tests on the admix liner test pad in lieu of the sealed double ring infiltrometer test, and (4) allows the use of other collection pipe configurations for the primary leachate collection system. Activities include development of packages for design and construction, third-party construction quality assurance oversight, and construction management of field construction activities for super cells 9 and 10.

Based on current waste projections, the new cells will provide an extra 4 to 5 years of disposal capacity to the current facility operation capacity. This ARRA scope accelerates construction of this necessary capacity by 5 years and will meet increased demand from

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ARRA accelerated work. The updated super cell design will also provide substantial cost savings for construction and operation of the ERDF facility.

ERDF Upgrades

This ARRA funded scope will enhance operations at ERDF by providing improved transportation, treatment, and disposal services for waste generated by all Hanford projects and providing disposal of waste generated by both the RCCP and Other Hanford Contractors (OHC) in support of clean-up efforts, including accelerated ARRA scope. Work includes expanding and enhancing operations of the Environmental Restoration Disposal Facility (ERDF) including the procurement of additional equipment (i.e. forklifts, bulldozers, front end loaders, containers, haul trucks and water trucks), ERDF facility and maintenance upgrades to support increased disposal, equipment use, storage and traffic, haul route upgrades, and management of increased volumes of waste resulting from ARRA accelerated work scope.

Orphan Sites/Accelerated Disposal (RL-0041.R1.3)

This ARRA funded scope involves the remediation, as required, of 18 waste sites and confirmatory sampling of 66 orphan and discovery sites located in the inter areas of the Columbia River Corridor. Sites include those that were identified as part of the orphan site review/walk down process as well as discovery sites identified during remediation activities. Work is comprised of design, procurement, remediation and confirmatory sampling activities for these sites. Performing this scope during FY10 and FY11 will accelerate the characterization and remediation of the sites by approximately 3 years. By 2011, the identified orphan sites will be remediated.

This project supports the following DOE and EM Strategic Goals and Themes:

- DOE Strategic Plan Theme 4 –Environmental Responsibility – Protecting the environment by providing a responsible resolution to the environmental legacy of nuclear weapons production.
- DOE Strategic Plan Theme 5 – Management Excellence – Enabling the Department’s mission through sound management and business practices.
- EM Recovery Goals – Decontamination and decommissioning (D&D) excess nuclear facilities, disposal of radioactive waste from the EM sites, and reduction of Legacy Environmental Footprint.

The original purpose and scope of the existing contract will not change with the addition of the ARRA funding. The overall goal is to accomplish the mission of DOE-RL by eliminating environmental threats to the Columbia River and reducing the overall footprint of the Hanford Site.

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Public Benefits:

Public benefits resulting from Recovery Act funding range from job creation, to cost savings over the life-cycle of the EM program, to enhanced environmental protection due to the cleanup and closure of the Hanford sites from the former nuclear weapons complex. High-risk facilities will be deactivated and demolished. This will reduce the potential safety and health risks

To counteract the unemployment rate in Washington State of 9.2 percent and bolster the local economy, numerous on-site jobs will be created and/or retained at Hanford by implementing this project. Jobs created or retained will include well drillers, soil excavator construction and demolition personnel, waste processors and handlers, railroad train crews, waste truck drivers, construction laborers, engineers, heavy equipment operators, field technicians, and administrative support workers. The large number of workers trained by completing this project will be available for future missions. Personnel brought in for this initiative could also provide a critical source of employees to support completion of the EM mission at the site necessitated by the current aging Hanford workforce and attrition associated with the expanding nuclear industry. Surrounding area businesses will also experience job creation benefits from this work scope initiative. Additional off-site jobs will likely be created in the surrounding communities due to the influx of new Hanford workers.

ARRA Project Impacts:

Investment in this project will support the reduction of the overall operational footprint of the Hanford Site by an estimated 8%. The acceleration of this ARRA affects schedule as work will move overall RCCP scope from 2014 to 2011 time frame. This project will provide reduction to escalation costs, mobilization, and out-year funding. And with the receipt of the ARRA funds, additional saving (associated with cost avoidance due to underfunding fee if government does not meet the required contractual funding profile) could garner an overall savings of approximately \$233M.

II. COST & SCHEDULE

Budget

Adjustments to obligations based on contract definitization are expected per EM approval.

Table 1a: Budget Implementation 12 Week Obligations (\$M)

	RCC Week of ARRA Activities (Beginning Week of March 9)											
	1	2	3	4	5	6	7	8	9	10	11	12
Hanford D&D River Corridor (RCC)				141								
	PRC Week of ARRA Activities (Beginning Week of March 9)											
	1	2	3	4	5	6	7	8	9	10	11	12

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Hanford D&D River Corridor (PRC)				213								
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Table 1b: Budget Implementation 12 Week Expenditures (\$M)

	Week of ARRA Activities (Beginning Week of March 9)											
	1	2	3	4	5	6	7	8	9	10	11	12
Hanford – D&D River Corridor (RCC)	0	0	0	0	0	0	0	.1	0	0	0	1.3
	Week of ARRA Activities (Beginning Week of March 9)											
	1	2	3	4	5	6	7	8	9	10	11	12
Hanford – D&D River Corridor (PRC)	0	0	0	0	0	0	0	.8	0	0	0	.8

Table 2a: Budget Implementation Monthly & Yearly Obligations (\$M)

	FY 2009 Q3			FY 2009 Q4			FY 2010 Q1				
	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec		
Hanford D&D River Corridor (RCC)	NA	NA	0	0	0	0	0	0	0		
	FY 2010 Q2			FY 2010 Q3			FY 2010 Q4				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept		
	-5.3	0	0	0	0	0	0	0	0		
	FY 2011 Q1			FY 2011 Q2			FY 2011 Q3 & Q4				
	Oct	Nov	Dec	Jan	Feb	Mar	Apr – Sept				
	0	0	0	0	0	0	34.9				
	FY 2012			FY 2013			FY 2014			FY 2015	
0			0			0			0		
	FY 2009 Q3			FY 2009 Q4			FY 2010 Q1				
	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec		
Hanford D&D River Corridor (PRC)	NA	NA	0	0	0	0	0	0	0		
	FY 2010 Q2			FY 2010 Q3			FY 2010 Q4				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept		
	-63.7	0	0	0	0	0	0	0	0		
	FY 2011 Q1			FY 2011 Q2			FY 2011 Q3 & Q4				
	Oct	Nov	Dec	Jan	Feb	Mar	Apr – Sept				
			0	0	0	0	53.4				
	FY 2012			FY 2013			FY 2014			FY 2015	
0			0			0			0		

Table 2b: Budget Implementation Monthly & Yearly Expenditures (\$M)

	FY 2009 Q3			FY 2009 Q4			FY 2010 Q1				
	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec		
Hanford D&D River Corridor (RCC)	NA	NA	1.4	1	3.5	4.1	1.3	8	2		
	FY 2010 Q2			FY 2010 Q3			FY 2010 Q4				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept		
	2	6	5	6	6	7	7	9	22		
	FY 2011 Q1			FY 2011 Q2			FY 2011 Q3 & Q4				
	Oct	Nov	Dec	Jan	Feb	Mar	Apr – Sept				
	8	8	7	7	7	9	50.2				
	FY 2012			FY 2013			FY 2014			FY 2015	
0			0			0			0		
	FY 2009 Q3			FY 2009 Q4			FY 2010 Q1				
	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec		
Hanford D&D River Corridor (PRC)	NA	NA	2	3.8	4	3.6	.9	4.2	9		
	FY 2010 Q2			FY 2010 Q3			FY 2010 Q4				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept		

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	8	9	9	9	7	6	8	7	10
	FY 2011 Q1			FY 2011 Q2			FY 2011 Q3 & Q4		
	Oct	Nov	Dec	Jan	Feb	Mar	Apr – Sept		
	8	8	9	7	7	8	51.3		
	FY 2012			FY 2013			FY 2014		FY 2015
	0			0			0		0

Funds Returned and Offsetting Collections

Note: No returned funds or any offsetting collections are expected to be received as a result of carrying out any ARRA projects.

Table 3: Funds Returned and Offsetting Collections (\$M)

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15
[Provide description and amounts for Funds Returned and Offsetting Collections]	N/A						

Indirect Costs

This work will be performed by facility management contractors utilizing an approved indirect rate structure. All Hanford contractor indirect rates are subject to an annual audit review by the Defense Contract Audit Agency (DCAA) and require final approval by the Contracting Officer.

The Plateau Remediation Contract (PRC) has a General and Administrative (G&A) rate of 15.6% (currently under DCAA review). G&A functions include Finance, Human Resources, Legal, Internal Audit, Procurement, Information technology, organizational administration, dosimeter and usage based services supporting overhead activities. Because G&A is distributed on a total cost base for the Plateau Remediation Contract (PRC), ARRA funds will also be assessed G&A. Since the ARRA funds represent a significant increase in contract funding it is likely the G&A rate will decrease in the out-years.

The River Corridor Closure (RCC) contractor indirect rates and disclosure statement are being audited by the Defense Contract Audit Agency. Once the audits are completed final approval by the Contracting Officer is required.

Changes to Baseline Budget

Table 4: Changes to Baseline Budgets (\$M)

Changes to	Increase/Decrease	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15
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Baseline Budget								
Program Direction After FY 2010	Increase	0	0	0	0	0
Continuation of New Programs	Increase	...	0	0	0	0	0	0
Project Acceleration	Increase	...	0	0	0	0	0	0

NOTES: The RL ARRA projects involve accelerating existing projects. This will result in changes to the baseline budgets in the long term. Potential out-year savings include accelerating suspect transuranic waste retrieval, solid waste treatment, demolition of facilities, and field remediation originally scheduled to take place in 2016 and beyond to be completed during FY 2009-2011 through utilization of ARRA funds. Work scope delineated in this POP was funded in PRC contract mod A037 dated 4/9/2009, in mod A087 dated 12/2009 and additionally funded in WCH contract mod A099 dated 4/9/2009 and in A142 dated 9/29/2009. Corrected baseline funding will be finalized with the submittal and approval of the Contract Performance Baseline.

Milestones

The milestones and performance measures provided in Table 7 are based on the best available information about ARRA requirements and existing project definitions. Estimates have been developed to date for costs and associated end-state and interim milestones and performance measures. As the detailed estimates and resource-loaded schedules (using Primavera 6.2) are developed, completed updates will be made to the milestones and measured.

As this scope is integrated into the RL baseline, but tracked and reported separately and uniquely, the internal DOE approved change control process will be applied to all ARRA scope.

Table 5: Delivery Schedule for Capital Asset Projects

Program/OECM Milestone	Delivery (End) Date	Comments
Develop capital asset projects Integrated Project List	6/17/2009	N/A
Develop Parametric Performance Baseline (Individual Projects)	7/24/2009	N/A
If < \$100 M Perform IPR, > \$100 M Perform EIR (Individual Projects)	N/A	Decided by EM to perform only on RL-0011 and RL-0040 EIRs
Approve Contractor’s Performance Baseline	4/15/2010 (RCC) and 4/29/2010 (PRC)	N/A
Approve Start of Construction	4/9/2009	N/A
Project Completion	9/30/2011	N/A

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III. PERFORMANCE

Table 6: Performance Measures

Hanford Site – D&D of River Corridor	
ARRA Project Identification Code	2002111
Subproject: 100K Area Remediation (RL-0041.R1.1)	
Key Performance Parameter 1:	Complete D4 of 12 100K Area Facilities.
Associated Key Metrics:	<ul style="list-style-type: none"> • Facility placed in cold and dark/demolition ready (sq. feet) • Nuclear facilities completed (#) No Nuclear facilities in this POP • Radioactive facilities completed (#) of 5 • Industrial facilities completed (#) of 7 •
Key Performance Parameter 2:	Complete Remediation of 49 100K Area Waste Sites.
Associated Key Metrics:	<ul style="list-style-type: none"> • Waste sites completed (#) of 49 • Site acreage remediated (acres)
Subproject: ERDF Expansion and Upgrades (RL-0041.R1.2)	
Key Performance Parameter 1:	Complete ERDF Super Cells 9 and 10.
Associated Key Metrics:	<ul style="list-style-type: none"> • Soil excavated during ERDF construction for Cell 9 and Cell 10 (cu. yards)
Key Performance Parameter 2:	Complete ERDF Upgrades
Associated Key Metrics:	<ul style="list-style-type: none"> • Scheduled equipment procurements completed (#)
Key Performance Parameter 3:	Complete ERDF Operational Enhancements.
Associated Key Metrics:	<ul style="list-style-type: none"> • Construction scheduled starts (#) • Construction scheduled completes (#)
Subproject: Accelerated Remediation and Disposal (RL-0041.R1.3)	
Key Performance Parameter 1:	Complete Remediation of Discovery (Orphan) Waste sites.
Associated Key Metrics:	<ul style="list-style-type: none"> • Remediation scheduled starts (#) • Remediation scheduled completes (#)

The period of performance for the ARRA work begins April 2009 through September 30, 2011.

Contractors will continue to use approved processes and procedures to meet these requirements. Additionally, the contractor shall certify in each monthly report that the costs included in the report for ARRA work were incurred only to accomplish the ARRA work in accordance with the accelerated work scope.

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Table 7: Project Performance Targets

ARRA Project Identification Code	2002111
Linkage To S-1 Priorities	National Security and Legacy - Accelerate decommissioning of nuclear facilities and contaminated areas in the Central Plateau area and River Corridor Areas of Hanford.
Linkage to Current Program Goal (if applicable)	EM Goals – Environmental responsibility to protect the environment; remediate existing waste sites; and to D&D contaminated facilities no longer needed to carry on current EM mission. Reduce Operational footprint by 8% by 2011
Three-Year Outcome-Oriented Performance Measure	By the end of fiscal year 2011, Orphan waste sites are remediated, ERDF Operations are enhanced and expanded to support reduction of the RL Central Plateau operational footprint, 12 100K Area facilities will be decontaminated and demolished. Additionally, 49 waste sites will be remediated in the 100K
First Year Performance Target (2009)	Initiate procurement activities, ERDF enhancements, ERDF Super Cell 9 excavation
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Issue Notice to proceed • Initiate ERDF expanded operational enhancements • Initiate ERDF Equipment procurements • Initiate Super Cell 9 excavation • Initial Change Request submitted for 100K
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Continue ERDF expanded operational enhancements • Continue ERDF Equipment procurements • Continue Super Cell 9 excavation
Second Year Performance Target (2010)	Achieve progress in ERDF enhancements, Orphan site remediation, Continue construction of ERDF Super Cell 9 & 10, and 100K D&D/ remediation
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Begin Discovery (Orphan) sites planning phase • Continue ERDF expanded operational enhancements • Continue ERDF Equipment procurements • Complete demolition of 5 facilities at 100K Area • Complete 2 waste site at 100K Area
Q2 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete Super Cell 9 excavation • Award sub-contract for ERDF Super Cell 9 and Super Cell 10 Construction • Continue ERDF expanded operational enhancements • Initiate preparations for Liner of Super Cell 9 • Continue ERDF Equipment procurements • Initiate Orphan site remediation - IU 2&6 Segment 1 Area • Complete demolition of 4 facilities at 100K Area • Complete 9 waste site at 100K Area
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Continue ERDF expanded operational enhancements • Initiate Super Cell 10 excavation • Continue ERDF Equipment procurements • Initiate –sub-contract procurement Orphan site remediation 100F Area • Continue Orphan site remediation - IU 2&6 Segment 1

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	<p>Area</p> <ul style="list-style-type: none"> • Complete Draft Orphan Site Evaluation(OSE) IU 2/6 Segment 2 • Complete demolition of 2 facilities at 100K Area • Complete 11 waste sites at 100K Area
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Continue ERDF expanded operational enhancements • Continue Super Cell 9 construction • Continue ERDF Equipment procurements • Award – sub-contract Orphan site remediation 100F Area • Continue Orphan site remediation - IU 2&6 Segment 1 Area • Complete 8 waste sites at 100K Area
Third Year Performance Target	Achieve completion of ERDF Operational Enhancements, remediation of Orphan Sites, completion of ERDF Super Cell 9 & 10, and completion of 100K D&D work
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete Super Cell 9 construction • Continue ERDF expanded operational enhancements • Mobilize sub-contractor & initiate Orphan site remediation - 100F Area • Complete Orphan site remediation - IU 2&6 Segment 1 Area • Complete demolition of 1 facilities at 100K Area • Complete 5 waste sites at 100K Area
Q2 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Continue ERDF expanded operational enhancements • Initiate preparations for Cell 10 Liner installation • Continue Orphan site remediation - 100F Area • Complete 7 waste sites at 100K Area
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Continue ERDF expanded operational enhancements • Continue ERDF Super Cell 10 construction • Complete Orphan site remediation - IU 2&6 Segment 1 Area • Continue Orphan site remediation - 100F Area • Complete OSE (RL & EPA comments) Segment 2 footprint reduction document • Complete 6 waste sites at 100K Area
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete ERDF expanded operational enhancements • Complete ERDF Super Cell 10 construction • Issue OSE IU2/6 Segment 2 Footprint Reduction documentation to RL • Complete Load Out (L/O) of Orphan Site Remediation-100F • Complete 1 waste sites at 100K Area

Note: The scope of the KPPs is subject to change due to completion of definitization and baseline approval per DOE O 413.3A.

Remaining Funds Management

For Recovery Act work at DOE-RL, cost estimates and schedules were developed at high confidence levels. Because of this, the possibility exists that ARRA project funds will be

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available to apply to additional scope during FY 2010 - 2012 as a result of cost savings due to efficiencies or under utilization of Management Reserve (MR) and Contingency. If available, these remaining funds could further help DOE realize the accelerated cleanup of the Hanford Site and support the Hanford ARRA mission of creating jobs, reducing the footprint and realizing lifecycle cost savings. Subsequently, preliminary planning has been performed to identify a list of existing base-funded work scope that may be funded by the ARRA.

The approach DOE-RL is taking to manage these funds includes:

- Quantifying the efficiencies, and MR/contingency under utilization to-date and forecasting efficiencies and underutilization of MR/contingency through FY 2011
- Identifying and estimating scope candidates that exist outside currently defined ARRA prime contractor scope that would also support the mission of jobs, footprint reduction and lifecycle cost savings,
- Reviewing the current baseline to definitize priority, cost, targets, and metrics for remaining candidates that could be accelerated.

Once these tasks are completed, a re-apportionment request will be submitted in June 2010 to ensure current performance commitments are sufficiently funded and to align remaining ARRA funds (including projected efficiencies, unused MR and contingency dollars) with the highest priority work scope. Additionally, the POPs will be revised and submitted that define priority, cost, targets and metrics for the remaining work scope. The following table identifies potential candidates for scope acceleration.

Table 8: Remaining funds scope candidates

River Corridor Closure D&D
100K Area Remediation Activity
105KE Reactor Disposition
D4 Acceleration
Debris Removal from KW Basin
ERDF Activity
Super Cell 11 Excavation
Super Cell 11 Construction

Note: through further definitization of this scope, this list will be subject to change.

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National Strategic Benefits

This project provides for protection of the Columbia River and therefore has significant benefit to the Pacific Northwest. It does not directly provide national strategic benefit such as reduction of carbon emissions or oil consumption.

Table 9: National Strategic Benefits

Recovery Act National strategic goals	Benefits
Promote Energy Efficiency	N/A
Deploy Renewable Power	N/A
Modernize the Grid	N/A
Reduce Oil Consumption	N/A
Restore America’s Scientific Leadership	N/A
Reduce Legacy Environmental Footprint	<ul style="list-style-type: none"> • EM Hanford Operational Footprint reduction of 8% by 2011
Reduce Greenhouse Gas Emissions	N/A

IV. MANAGEMENT

Secretarial-Level Items

Table 10: Secretary's Priorities

Secretary’s Priorities	Project Impacts (Qualitative)	Project Impacts (Quantitative)
Science and Discovery	N/A	N/A
Clean, Secure Energy	N/A	N/A
Economic Prosperity	<ul style="list-style-type: none"> • Create new jobs. • Retain existing jobs. 	<ul style="list-style-type: none"> • Support overall RL goal of 3900 jobs (See Note)
National Security and Legacy	<ul style="list-style-type: none"> • Eliminate environmental threats to Columbia River. • Remediate waste sites • Reduce operational footprint of Hanford Site • Decontamination and Decommissioning of facilities 	<ul style="list-style-type: none"> • Reduce Hanford Operational Footprint by 8% by 2011
Climate Change	N/A	N/A

Note: Quantitative goal of 3900 jobs is subject to change based on EM and OMB guidance.

Collaboration and Coordination

The DOE Nevada Test Site, Energy Solutions in Utah, and other commercially-operated waste treatment/ storage/disposal facilities will be needed to support treatment and disposal of waste generated during the Recovery Act Project. Coordination with these

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interfaces already exists, however will be enhanced throughout this project. For returning and new employees, training will be provided utilizing existing safety and specialty training courses. However, training courses will be developed and provided at the HAMMER Training Center for those positions requiring additional training outside of the current existing site training courses. This training may continue to be used throughout other federal and state agencies, as well as private organizations, further preparing individuals to resolve similar challenges at other locations.

The DOE-RL Procurement Division will continue to work closely with DOE-EM and DOE-MA to insure timely business clearance approval for procurement actions that exceed local authority.

There are many external interfaces associated with the normal base program and Recovery Act project work and operations at Hanford. These include:

- **Regulatory** Environmental Protection Agency, Washington Department of Ecology, Department of Transportation, and Defense Nuclear Facilities Safety Board
- **Community** Hanford Advisory Board, Benton and Franklin Counties, cities of Richland, Pasco and Kennewick, Surrounding States, Nevada, and Utah
- **Industry** Environmental, Engineering/Remediation, Waste Management, Construction, Cement, Container, Transportation, Housing, Utilities, etc.
- **Other** Other RL Contractors, Labor Unions, Parent Companies, Local Universities/Colleges

Federal Infrastructure Investments

N/A

Line Management

In executing this ARRA project, DOE-RL will implement the project management requirements of DOE O 413.3A, *Program and Project Management for the Acquisition of Capital Assets*. DOE-RL will use the flexibility afforded by DOE O 413.3A and tailor its requirements to this project. This tailored approach will maintain the utility and value of clear project definition, configuration management and change control, and sound project controls, including earned value management.

DOE-RL intends to use existing EM site systems and practices to effectively monitor and report on the ARRA Project activities, including:

- Fully implement all ARRA transparency and reporting requirements through modifications to the contract that will fund this ARRA Project.
- Continue using approved programs and procedures currently in place with Hanford contractors and their subs, applying project management principles to ARRA Project execution, including reviewing and validating EM project cost and

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schedule baselines consistent with DOE Order 413.3 and identifying project risks and strategies for managing them.

- Continue use of industry standard Earned Value Management System (EVMS) to compare actual project scope, cost, and schedule performance against planned performance as depicted in the baseline.
- Continue monitoring of the contractors’ EVMS reports to ensure the ARRA Project is on track and, if not or if trends are in a negative direction, to develop and implement corrective actions.
- Hold monthly management reviews to provide updates on the ARRA Project to EM’s senior-most executives.
- Secure support service contractors to provide support to federal staff in the areas of procurement, project controls, safety, and project support.
- Assign appropriately qualified staff to the ARRA Project to provide technical and programmatic oversight of the contractors performing the work and be the day-to-day governmental interface and manager for the project.
- Use an Integrated Project Team (IPT) of Federal and contractor staff with project knowledge and subject matter expertise essential to the successful planning and execution of the project – including safety, risk management, engineering, quality assurance, contracts administration, and project controls.
- Develop detailed risk management plans for the ARRA Project to identify and mitigate risks, and assign roles and responsibilities for managing the risks.

Needs from Staff Offices

N/A

Human Capital

DOE-RL will continue to use support service contractors to provide support to federal staff in the areas of procurement, project controls, safety and project support.

Note: DOE-RL has developed an integrated incremental staffing profile to support staff administering ARRA work. This staffing profile is wholly contained in Central Plateau D & D Project Operating Plan (2002140)

Table 11: Information on Hiring Under the ARRA

# & Type of Positions (Title, Series and Grade)	Location (HQ or Field – w/location)	Federal or Contractor	Timeframe (1-6mos; 6+mos; other; specify date needed if possible)
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Project Operating Plan – Richland - Hanford Site – Nuclear Facility Demolition and Decommissioning - River Corridor Closure Project

N/A	N/A	N/A	N/A
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Procurement

Though scope will be accelerated with the addition of ARRA funds, the original scope and purpose of the River Corridor Closure contract will not change. The purpose of this contract continues to be furnishing safe, compliant, cost-effective and energy-efficient services to further the DOE-RL mission.

This contract applies performance-based contracting approaches; expects the Contractor to implement techniques that maximize performance efficiencies, through innovation and scope completion, and minimize the description of how to accomplish the scope of work. The contractor is responsible for determining the specific methods and approaches for accomplishing the work scope in accordance with contract required environmental, safety and health (ES&H) requirements. The intent of the proposed contract modifications is to provide additional funding to meet the original contract funding profile and accelerate defined work that was contemplated in the contract period.

Table 12: Procurement Plans

Activity	Type	New/Exist (N/E)	Changes (E), Needs (N)	Status	Expected Complete	Issues (Y/N)
Plateau Remediation Contract - Environmental Remediation Work	Contract	E	(E) Funding modifications	Contract Mod A037, April 9 2009; Contract Mod A087 December 2009	Completed	N
River Corridor Closure Contract - Environmental Remediation Work	Contract	E	(E) Funding Modifications	Contract Mod A099, April 9 2009; Contract Mod A142 September 2009	Completed	N