

**Project Operating Plan – Richland - Hanford Site - Nuclear Facility D & D –
Central Plateau – Remainder of Hanford**

Attachment B:

**Richland - Hanford Site – Central Plateau (Remainder of Hanford)
Demolition and Decommissioning (D&D) Project Operating Plan**

BACKGROUND

ARRA Project: Nuclear Facility D & D - Remainder of Hanford

TAFS: 89-09/10-0253

Project Identification Code: 2002140

ARRA Bill Reference: PL 111-5, Title IV – Energy and Water
Development, Defense Environmental Cleanup
(H.R. 1-26)

Project Cost: \$701,516,000

Budget Authority: STARS Fund Code: 06049, FD0210

Program Office: Environmental Management (EM)

Recovery Program Plan: EM - Defense

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LEADS

Implementation: Richland – Hanford Site

Breakthrough: NA

Laboratory: NA

I. SUMMARY & OBJECTIVES

Summary:

The Nuclear Facility D & D - Remainder of Hanford project involves the cleanout, deactivation and decommissioning activities in the Central Plateau and Outer areas of the Hanford site. The required funding of \$701.5M from the American Recovery and Reinvestment Act (ARRA) Project supports the mission of DOE and the Office of Environmental Management (EM) by accelerating completion of existing environmental protection and site cleanup goals, including deactivation, decontamination, decommissioning, and demolition (D4) of excess nuclear facilities and remediation of contaminated soil from the EM sites, in many cases much earlier than originally planned. Additionally, this work will reduce environmental threats to areas surrounding the sites and will produce a significant number of jobs both directly and indirectly. This project work involves the following activities:

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PFP D&D (RL-0011.R1)

PFP scope includes the cleanout, deactivation and decommissioning activities of the Plutonium Finishing Plant 234-5Z and its ancillary facilities. Work activities involve the cleanout, removal and disposal of process area glove boxes (total estimate of 174) as well as deactivation and removal of highly contaminated ducts and filter boxes, deactivation of the process vacuum system set, tunnels and piping, process equipment, and cleanout and removal of the HVAC system. Work scope also includes the accelerated deactivation and decommissioning of PFP area ancillary facilities to prepare for demolition.

U-Plant and Other D&D (RL-0040.R1.1)

U-Plant scope includes the deactivation, decontamination, decommissioning, and demolition (D4) of surplus facilities in the U Areas and one canyon in the 200 areas of the Hanford site. Work scope involves D4 of U Area Ancillary facilities, removal of U Canyon Cell 30 tank contents, D4 of 200 East and West industrial facilities, and D4 of 209-E facility (plutonium criticality laboratory). Also involves clearing off U Canyon deck (includes equipment disposition) and filling canyon cells (voids) with grout. By the end of fiscal year 2011, the goal is to complete five (5) U Plant Ancillary Structures D&D, and accelerate D&D of 11 facilities.

Outer Zone D&D (RL-0040.R1.2)

Outer Zone area scope includes the D4 of surplus facilities and the remediation of waste sites in the outer areas (200 and 600 areas), Arid Lands and North Slope areas of the Hanford Site. Work scope involves the D4 of 18 surplus facilities, remediation of 24 waste sites in the 200 and 600 areas, disposal of 15 railcars and a 37% reduction of overall footprint of the Hanford Site.

Execution of this scope will accelerate demolition and deactivation by approximately 5 to 20 years, will accelerate the Record of Decision activates for the Outer Zone by approximately 5 years, and accelerate remediation of waste sites by approximately 5 to 20 years. This work is slated for completion by the end of fiscal year 2011.

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 D4. This will reduce the potential safety and health risks.

Recovery Act funding will be used by Hanford contractors to accelerate cleanup of the former weapons complex and nuclear research facilities. The site contractors and subcontractors will hire workers to perform the additional soil and groundwater remediation, decontamination and decommissioning, and waste remediation activities. The additional jobs are expected to extend through the entire period of Recovery Act activities in EM.

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. Types of jobs created or retained will include well drillers, soil excavation personnel, 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 would 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 benefits of off-site jobs will likely be created in the surrounding communities due to the influx of new workers.

ARRA Project Impacts:

Hanford has demonstrated success in solid radioactive waste disposition, soil and groundwater remediation, and facility D4. Hanford will effectively spend the Recovery Act funding because these cleanup activities are associated with:

- Proven technologies—on-the-shelf plans and projects ready to be implemented
- Regulatory infrastructure in place—established regulatory framework with regulator and community support
- Acquisition structure in place—flexible contract vehicles allow quick expansion of environmental cleanup workforces
- Project Management structure in place—ability to track and measure performance.

Investment in this project will reduce the overall operational footprint of the Hanford Site through demolition of legacy surplus facilities and cleanup of contaminated soil sites in the Central Plateau area of the Hanford Site. Additionally, this reduction of the 586

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square-mile Hanford Site by approximately 37% or 217 square miles by the end of fiscal year 2011 will provide a rough order of magnitude (ROM) savings of \$1.132B and will enable reuse of EM infrastructure for other energy missions or community reuse.

II. COST & SCHEDULE

Budget

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

Table 1a: Budget Implementation 12 Week Obligations (\$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 Central Plateau				550.5								

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 Central Plateau	0	0	0	0	0	0	.2	.6	0	0	0	7.9

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 Central Plateau	NA	NA	0	0	0	0		0	0			
	FY 2010 Q2			FY 2010 Q3			FY 2010 Q4					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept			
	-38.6	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	189.6					
	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 Central Plateau	NA	NA	6.1	19.5	14.9	28	13.7	18.8	22			
	FY 2010 Q2			FY 2010 Q3			FY 2010 Q4					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept			
	30	21	22	22	20	27	22	29	34			
	FY 2011 Q1			FY 2011 Q2			FY 2011 Q3 & Q4					
	Oct	Nov	Dec	Jan	Feb	Mar	Apr – Sept					
	28.7	25	26	25	27	29	182					
	FY 2012			FY 2013			FY 2014			FY 2015		
	0			0			0			0		

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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%. 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.

Changes to Baseline Budget

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

Changes to Baseline Budget	Increase/Decrease	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15
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: 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. Corrected baseline funding will be finalized with the submittal and approval of the Contract Performance Baseline.

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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)	6/8/2009	N/A
If < \$100 M Perform IPR, > \$100 M Perform EIR (Individual Projects)	8/30/2009	EIR was performed on RL-0011 and RL-0040 per EM. CD 2.3 obtained October 14, 2009.
Approve Contractor's Performance Baseline	4/29/2010	N/A
Approve Start of Construction	N/A	N/A
Project Completion	9/30/2011	N/A

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III. PERFORMANCE

Table 6: Performance Measures

Hanford Site – D&D of Central Plateau	
ARRA Project Identification Code	2002140
Plutonium Finishing Plant	
Key Performance Parameter 1:	Building 234-5Z Process and Laboratory areas ready for demolition
Associated Key Metrics:	<ul style="list-style-type: none"> • Number of glove boxes removed from 234-5Z (#) • Low-level waste removed from PFP (m3) • TRU waste removed from PFP (m3)
Key Performance Parameter 2:	20 Ancillary buildings ready for demolition
Associated Key Metrics:	<ul style="list-style-type: none"> • Ancillary facilities/structures and fuel vaults ready for demolition (# facilities)
Outer Zone	
Key Performance Parameter 1:	Complete deactivation, decontamination, decommissioning, and demolishing (D4) of 18 facilities
Associated Key Metrics:	<ul style="list-style-type: none"> • Nuclear facilities completed (#) • Radioactive facilities completed (#) • Industrial facilities completed (#) • Facility square feet placed in cold and dark/demolition ready (sq. feet) • Facility square feet dispositioned (sq. feet)
Key Performance Parameter 2:	Remediate 24 waste sites.
Associated Key Metrics:	<ul style="list-style-type: none"> • Waste sites remediated (# of release sites) • Site acreage remediated (acres)
Key Performance Parameter 3:	Dispose 15 rail cars/locomotives
Associated Key Metrics:	<ul style="list-style-type: none"> • Rail cars/locomotives disposition ready (#) • Rail cars/locomotives dispositioned (#)

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Hanford Site – D&D of Central Plateau (continued)	
U Plant/Other	
Key Performance Parameter 1:	U Plant canyon ready for demolition
Associated Key Metrics:	<ul style="list-style-type: none"> • Canyon sq. feet fixative applied (sq. feet) • Canyon deck sq. feet cleared (sq. feet) • Canyon areas ready for void fill (cubic yards) • Canyon areas void filled (cubic yards)
Key Performance Parameter 2:	Complete deactivation, decontamination, decommissioning, and demolishing (D4) of 16 facilities
Associated Key Metrics:	<ul style="list-style-type: none"> • Nuclear facilities completed (#) • Radioactive facilities completed (#) • Industrial facilities completed (#) • Facility square feet placed in cold and dark/demolition ready (sq. feet) • Facility square feet dispositioned (sq. feet)

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.

Table 7: Project Performance Targets

ARRA Project Identification Code	2002140
Linkage To S-1 Priorities	National Security and Legacy – Eliminate environmental threats to Columbia River., Remediation of waste sites, Decontamination and Decommissioning of legacy facilities, Reduce EM legacy footprint
Linkage to Current Program Goals	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.
Three-Year Outcome-Oriented Performance Measure	By the end of fiscal year 2011, reduce the RL Central Plateau operational footprint by 37% or 217 square miles.
First Year Performance Targets (2009)	Initiate procurement activities to D&D Central Plateau facilities.
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Issue notice to proceed • Initiate CERCLA documentation for Outer Zone area

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	<ul style="list-style-type: none"> • Initiate D4 of 3 facility in the Outer Zone • Initiate waste site remediation of 11 sites in Outer Zone • Initiate demo prep of U-Plant • Start PFP D&D activities • Perform PPSL Lab Area D&D activities • Initiate D&D of PFP Glove Boxes and Hoods • Initiate Analytical Lab Area D&D activities
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete D4 of 1 facilities in the Outer Area • Continue waste site remediation of 11 sites in Outer Zone • Complete D4 of 2 ancillary facilities at U-Plant • D4 of 2 facilities at U-Plant • Continue demo prep of U-Plant • Continue PFP D&D activities • Continue PPSL Lab Area D&D activities • Complete Removal of Glove box Equivalencies (GBEs) • Continue D&D of PFP Glove Boxes and Hoods • Continue Analytical Lab Area D&D activities
Second Year Performance Targets (2010)	Achieve progress in Central Plateau D&D and remediation
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete D4 of 2 facilities within the Outer Zone • Continue waste site remediation of 11 sites in Outer Zone • Initiate disposition of 15 Railcars/Locomotives • Complete D4 of 1 ancillary facility U-Plant • Continue demo prep of U-Plant • Continue PFP D&D activities • Continue D&D of PFP Glove Boxes and Hoods • Continue Analytical Lab Area D&D activities • Initiate Standards Lab Area D&D activities • Initiate RMA/RMC Line Area D&D activities in Room 228C/230A,B,C • Initiate Rooms 158-172 D&D activities
Q2 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete D4 of 2 facilities Outer Zone • Continue waste site remediation of 11 sites in Outer Zone • Continue disposition of 15 Railcars/Locomotives • Complete D4 of 2 ancillary facilities at U Plant • Continue demo prep of U Plant • Initiate MG-1 second batch of waste sites in Outer Zone (13) • Continue PFP D&D activities • Continue D&D of PFP Glove Boxes and Hoods • Continue Analytical Lab Area D&D activities • Complete Standards Lab Area D&D activities • Continue RMA/RMC Line Area D&D activities in Room 228C/230A,B,C • Continue Rooms 158-172 D&D activities
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete D4 of 5 facilities Outer Zone • Continue waste site remediation of 11 sites in Outer Zone • Continue disposition of 15 Railcars/Locomotives • Continue demo prep of U-Plant • Continue MG-1 second batch of waste sites in Outer Zone (13)

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	<ul style="list-style-type: none"> • Continue PFP D&D activities • Continue D&D of PFP Glove Boxes and Hoods • Continue Analytical Lab Area D&D activities
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete D4 of 7 facilities Outer Zone • Complete waste site remediation of 11 sites in Outer Zone • Continue disposition of 15 Railcars/Locomotives • Continue demo prep of U-Plant • Continue MG-1 second batch of waste sites in Outer Zone (13) • Continue PFP D&D activities • Continue D&D of PFP Glove Boxes and Hoods • Complete Analytical Lab Area D&D • Continue Rooms 158-172 D&D activities
Third Year Performance Targets	Achieve Central Plateau D&D and remediation completions
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete D4 of 8 facilities Central Plateau • Continue disposition of 15 Railcars/Locomotives • Continue demo prep of U-Plant • Continue PFP D&D activities • Continue D&D of PFP Glove Boxes and Hoods • Complete RMA/RMC Line Area D&D activities in Room 228C/230A,B,C • Continue Rooms 158-172 D&D activities
Q2 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Continue disposition of 15 Railcars/Locomotives • Continue demo prep of U-Plant • Continue D&D of PFP Glove Boxes and Hoods • Complete PPSL Lab Area D&D activities
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Continue disposition of 15 Railcars/Locomotives • Continue demo prep of U-Plant • Continue PFP D&D activities • Perform Support Buildings and Yard Area D&D Activities • Continue Rooms 158-172 D&D activities
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete disposition of 15 Railcars/Locomotives • Complete D4 of 3 facilities in the Central Plateau • Complete demo prep of U-Plant • Complete MG-1 second batch of waste sites in Outer Zone (13) • Complete D4 of 1 facility Outer Zone • Complete PFP D&D activities • Complete Support Buildings and Yard Area D&D Activities • Complete D&D of PFP Glove Boxes and Hoods • Complete Rooms 158-172 D&D activities

Remaining Funds Management

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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 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

Central Plateau D&D
PFP D&D Activity
Deactivation of PFP Facilities and Process Systems
Demolition of PFP Structures and Site Stabilization
Outer Zone D&D Activity
Remediate BC Control Area
Central Plateau Inner Area Waste Site Remediation
U Plant/Other D&D Activity
U Zone Demolition
U Zone Waste Site Remediation
PFP Zone Demolition and Waste Site Remediation
Industrial Bldg. Deactivation/Asbestos Abatement and Demolition

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Additional Considerations
Funding for Office of River Protection Tank Farm offices
Waste Sampling and Characterization Facility sampling support improvements
Funding of the Advanced Technologies and Laboratories for sampling

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

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 37% 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. Remediation of waste sites Decontamination and Decommissioning of legacy facilities Reduce EM legacy footprint 	<ul style="list-style-type: none"> Reduce Hanford Operational Footprint by 37% by 2011

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Climate Change	N/A	N/A
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Note: Quantitative goal of 3900 jobs is subject to change based on EM and OMB guidance.

Collaboration and Coordination

Upon the completion of this project, there will be new and additional expertise within DOE on Decontamination and Decommissioning of contaminated facilities. This knowledge and expertise can be used on a global scale to assist other countries dealing with contaminated facilities that provide no further value and therefore reduce risks to the world.

The DOE Nevada Test Site, EnergySolutions in Utah, and other commercially-operated waste treatment/ storage/disposal Facilities will be needed to support treatment and disposal of waste generated during the ARRA Project. Coordination with these interfaces already exists however will be enhanced throughout this project. Maintaining continuity of available disposal capacity for Class A and Greater-Than Class A Mixed Low Level Radioactive Waste is important to the project.

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.

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 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 throughout the world.

There are many external interfaces associated with the normal 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

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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 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

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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, and safety and project support.

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)
(5) Contract Specialists	Richland	Contractor	see Note 1
(16) Safety & Environment Support	Richland	Contractor	see Note 1
(7) Project Support	Richland	Contractor	see Note 1
(14) Recovery Act Program Management Support	Richland	Contractor	see Note 1
(5) Estimating Support	Richland	Contractor	see Note 1
(3) Project Analysts	Richland	Contractor	see Note 1
(2) Risk Analysts	Richland	Contractor	see Note 1

Note 1: Additional resources are required to adequately administer the requirements of the ARRA. The need for these additional resources will continue until such time that the ARRA work and reporting requirements are completed.

Procurement

Though scope will be accelerated with the addition of ARRA funds, the original scope and purpose of the Plateau Remediation Contract (PRC) 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.

**Project Operating Plan – Richland - Hanford Site - Nuclear Facility D & D –
Central Plateau – Remainder of Hanford**

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	Contract	E	(E) Funding Modifications	Contract Mod A037 signed April 9, 2009	Complete	N