

**Project Operating Plan – Richland - Hanford Site – Solid Waste Stabilization and Disposition Project**

**Attachment B:  
Richland - Hanford Site – Solid Waste Stabilization and Disposition  
Project Operating Plan**

**BACKGROUND**

**ARRA Project:** Richland - Hanford Site – Solid Waste Stabilization and Disposition  
**TAFS:** 89-09/10-0253  
**Project Identification Code:** 2002142  
**ARRA Bill Reference:** PL 111-5, Title IV – Energy and Water Development, Defense Environmental Cleanup (H.R. 1-26)  
**Project Cost:** \$241,160,000  
**Budget Authority:** STARS Fund Code: 06049, FD0230  
  
**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 Solid Waste Stabilization and Disposition project involves the retrieving suspect transuranic waste from the 200 Area burial grounds, repacking waste as required to meet Waste Isolation Pilot Plant (WIPP) Washington Administrative Code (WAC) requirements and treating the backlog of current legacy mixed low level waste at Hanford. The required funding of \$241.2M 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 disposal of radioactive waste 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:

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### Transuranic (TRU) Waste repackaging and disposition (RL-0013C.R1.2)

This scope involves the waste retrieval and TRU waste repackaging of drums as required by TPA. This backlog of waste is currently being stored in the Central Waste Complex (CWC), Waste Receiving and Processing (WRAP), and T-Plant on the Hanford Site. Many of these drums were placed on below grade asphalt pads stacked in storage modules. Fire retardant plywood sheets separated the container tiers and the completed module was then covered with plastic sheeting and soil cover. The storage process was intended to keep water out of the site, but condensation within the modules resulted in corrosion of many containers. The goal of this scope is to repackage, retrieve and disposition the identified TRU waste.

#### *Hanford TRU Repackaging:*

ARRA provides funding for activities necessary to complete an estimated 850 cubic meters of TRU waste repackaging. Repackaging of drums requiring remediation prior to certification will be performed at the T Plant and Waste Receiving and Processing Facility by Hanford personnel.

#### *Hanford TRU Retrieval:*

ARRA provides funding for retrieval of an estimated 2,500 cubic meters of TRU waste from 218-E-12B, 218-W-3A and 218-W-4B in order to meet TPA M-91-40 and M-91-41 compliance milestones for Retrievably Storage Waste. This scope also provides for activities necessary to retrieve an estimated 50 cubic meters of RH TRU waste from the burial grounds, including preparation to retrieve RH TRU from the 200W area caissons as required by TPA M-91-40 and M-91-41 milestone requirements. Caisson waste retrieval will require specialized retrieval methods. The ARRA project will allow the continuation of retrieval of suspect transuranic waste from storage, accelerating the schedule by approximately 5 years, from 2016 to 2011.

### Mixed Low Level Waste (MLLW) treatment (RL-0013.R1.1)

This scope involves the treatment and disposal of an estimated 1800 cubic meters (~475,500 gallons) of the current backlog of legacy Low Level Waste (LLW) and MLLW. Low-Level Waste consists of radioactive waste that is not high-level waste or transuranic waste. The Low-Level Waste that also contains chemically hazardous constituents regulated under the Resource Conservation Recovery Act (RCRA) or the Toxic Substances Control Act (TSCA) is considered Mixed Low-Level Waste. Most waste in this initiative is considered contact-handled and emits relatively low doses of radiation.

ARRA funding will be used to accelerate the treatment of this LLW and MLLW as the majority of this waste will require additional processing (e.g., volume reduction, encapsulation, thermal treatment) per TPA M-91-42 and to make it compliant with DOE Order 435.1, and the Waste Acceptance Criteria of the Mixed Waste Disposal Trenches

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(MWDT) or Environmental Restoration Disposal Facility (ERDF). Most of this waste will be treated at commercial facilities such as Permafix Northwest and returned to Hanford for disposal in ERDF or MWDT (Burial Ground 218-W-5, Trenches 31 and 34). A small amount will be disposed at a EnergySolutions facility in Clive, Utah.

This ARRA scope will accelerate treatment of mixed low level waste by approximately 5 years. The ARRA funding will be used to accelerate procurement of additional capacity to ship this waste to needed commercial vendors. This funding will also be used to accelerate procurement of shipping containers and necessary equipment to facilitate shipping.

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 Goals – Acceleration of waste processing activities

The original scope and purpose 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.

### **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.

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 processing 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

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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 decontamination and decommissioning. 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 provide stabilization of solid waste, and recovery and disposition of the backlog of legacy TRU and disposition of the legacy MLLW enabling reuse of EM infrastructure for other energy missions, other industrial, commercial, recreational and/or community uses. The acceleration of this project will provide a reduction in escalation costs with the expected elimination of ramp up costs originally planned in 2014 resulting in a total rough order of magnitude (ROM) savings approximately \$354M. There is an expectation that project risks will be reduced by implementing regulatory strategies in the near term which is not included in this subproject estimated Life-Cycle cost savings.

## **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 – TRU & Solid Waste				173								

**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

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Hanford – TRU & Solid Waste	0	0	0	0	0	0	0	0	0	0	0	1.2
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**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 – TRU & Solid Waste	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
	12.7	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	0	0	55.5		
	FY 2012			FY 2013			FY 2014		
	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 – TRU & Solid Waste	NA	NA	2.9	3.7	3.6	14	5.7	8.4	11
	FY 2010 Q2			FY 2010 Q3			FY 2010 Q4		
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept
	10	8	9	11	8	7	9	7.9	10
	FY 2011 Q1			FY 2011 Q2			FY 2011 Q3 & Q4		
	Oct	Nov	Dec	Jan	Feb	Mar	Apr – Sept		
	7.8	9	9	8	8	10	59		
	FY 2012			FY 2013			FY 2014		
	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						

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### 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.

### 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

**Note:** The RL Recovery Act projects involve accelerating existing projects. This will result in changes to the baseline budgets in the long term. 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.

### **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.

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This scope of work is being undertaken consistent with existing RCRA permits and NEPA. Some transuranic waste retrieval activities may require modification to the RCRA permit, or alternatively conducted under a CERCLA action. The site’s NEPA Compliance Officer will monitor implementation and, as necessary, determine whether additional NEPA review is required.

**Table 5: Delivery Schedule for Capital Asset Projects**

<b>Program/OECM Milestone</b>	<b>Delivery (End) Date</b>	<b>Comments</b>
Develop capital asset projects Integrated Project List	N/A	N/A
Develop Parametric Performance Baseline (Individual Projects)	N/A	N/A
If < \$100 M Perform IPR, > \$100 M Perform EIR (Individual Projects)	N/A	N/A
Approve Contractor’s Performance Baseline	N/A	N/A
Approve Start of Construction	N/A	N/A
Project Completion	N/A	N/A

### **III. PERFORMANCE**

**Table 6: Performance Measures**

<b>Hanford Site – TRU and Solid Waste</b>	
<b>ARRA Project Identification Code</b>	<b>2002142</b>
<b>Subproject: Mixed/Low Level Waste Treatment</b>	
<b>Key Performance Parameter 1:</b>	<b>1,800 cubic meters of waste treated for disposal</b>
Associated Key Metrics:	<ul style="list-style-type: none"> <li>• Waste shipped to treatment facility (m3)</li> <li>• Waste treated (m3)</li> </ul>
<b>Subproject: TRU Program</b>	
<b>Key Performance Parameter 1:</b>	<b>2,500 cubic meters of suspect TRU waste retrieved from storage</b>
Associated Key Metrics:	<ul style="list-style-type: none"> <li>• Suspect TRU waste retrieved (m3)</li> </ul>
<b>Key Performance Parameter 2:</b>	<b>850 cubic meters of WIPP certifiable TRU waste repackaged</b>
Associated Key Metrics:	<ul style="list-style-type: none"> <li>• WIPP certifiable TRU waste repackaged in accordance with Hanford Site Solid Waste Acceptance Criteria (m3)</li> </ul>
<b>Key Performance Parameter 3:</b>	<b>50 cubic meters of suspect remote handled TRU waste retrieved from storage</b>

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Associated Key Metrics:	<ul style="list-style-type: none"> <li>• Suspect RH-TRU waste retrieved (m3)</li> </ul>
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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	2002142
Linkage To S-1 Priorities	National Security and Legacy - Eliminate environmental threats to Columbia River and to remediate contaminated burial grounds
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.
Three-Year Outcome-Oriented Performance Measure	By the end of fiscal year 2011, meet TPA M-91-40, M-91-41, and M-91-42, M-91-43 requirements for handling of waste and DOE 435.1 treatment of waste.
First Year Performance Target (2009)	Initiate procurement activities to handle TRU waste and treat MLLW
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Issue notice to proceed</li> <li>• Initiate contact handled TRU retrieval</li> <li>• Initiate shipment of 100m3 MML waste for treatment</li> <li>• Initiate treatment of backlog legacy MLL waste</li> </ul>
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Continue contact handled TRU retrieval</li> <li>• Continue treatment of backlog legacy MLL waste</li> <li>• Complete treatment of 100m3 MML waste</li> </ul>
Second Year Performance Target (2010)	Achieve progress repacking of TRU waste and treating MLLW
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Complete repacking of 100 cubic meters of TRU waste</li> <li>• Continue treatment of backlog legacy waste</li> <li>• Initiate shipment of 180m3 435.1 waste for treatment</li> <li>• Initiate shipment of 200m3 other MML waste for treatment</li> <li>• Initiate shipment of 458m3 M-91-42 waste for treatment</li> </ul>
Q2 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Complete retrieval of 250m3 of CH TRU waste</li> <li>• Complete repacking of 100m3 of TRU waste</li> <li>• Continue treatment of backlog legacy waste</li> <li>• Complete shipment of 180m3 435.1 waste for treatment</li> <li>• Complete shipment of 200m3 other MLL waste for treatment</li> <li>• Complete shipment of 458m3 M-91-42 waste for treatment</li> </ul>
Q3 - Project-Level Quarterly Performance	<ul style="list-style-type: none"> <li>• Complete retrieval of 500m3 of CH TRU waste</li> </ul>

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Milestone(s)	<ul style="list-style-type: none"> <li>• Complete repacking of 100m3 of TRU waste</li> <li>• Continue treatment of backlog legacy waste</li> <li>• Initiate treatment of 180m3 435.1 waste</li> <li>• Initiate treatment of 200m3 other MML waste</li> <li>• Initiate treatment of 458m3 M-91-42 waste</li> </ul>
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Complete retrieval of 250m3 of CH TRU waste</li> <li>• Complete repacking of 100m3 of TRU waste</li> <li>• Complete treatment of 180m3 435.1 waste for treatment</li> <li>• Complete treatment of 200m3 other MML waste for treatment</li> <li>• Complete treatment of 458m3 M-91-42 waste for treatment</li> </ul>
Third Year Performance Target	Complete KPPs for repacking TRU waste and KPPs for DOE 435.1, TPA M-91-43 and M-91-42 treatment of waste
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Complete retrieval of 500m3 of CH TRU waste</li> <li>• Complete repacking of 100m3 of TRU waste</li> <li>• Continue treatment of backlog legacy waste</li> <li>• Initiate shipment of 423m3 435.1 waste for treatment</li> <li>• Initiate shipment of 169m3 other MML waste for treatment</li> <li>• Initiate shipment of 276m3 M-91-42 waste for treatment</li> </ul>
Q2 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Complete retrieval of 250m3 of CH TRU waste</li> <li>• Complete repacking of 100m3 of TRU waste</li> <li>• Continue treatment of backlog legacy waste</li> <li>• Complete shipment of 423m3 435.1 waste for treatment</li> <li>• Complete shipment of 169m3 other MML waste for treatment</li> <li>• Complete shipment of 276m3 M-91-42 waste for treatment</li> </ul>
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Complete retrieval of 250m3 of CH TRU waste</li> <li>• Complete repacking of 100m3 of TRU waste</li> <li>• Continue treatment of backlog legacy waste</li> <li>• Initiate treatment of 423m3 435.1 waste</li> <li>• Initiate treatment of 169m3 other MLL waste</li> <li>• Initiate treatment of 276m3 M-91-42 MML waste</li> </ul>
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> <li>• Complete retrieval of 500m3 of CH TRU waste</li> <li>• Complete repacking of 150m3 of TRU waste</li> <li>• Complete retrieval of 50m3 of RH TRU waste</li> <li>• Complete treatment of backlog legacy waste</li> <li>• Complete treatment of 423m3 435.1 waste</li> <li>• Complete treatment of 169m3 other MML waste</li> <li>• Complete treatment of 276m3 M-91-42 waste</li> </ul>

**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

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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 (such as the TRU Waste Acceleration Plan that supports Hanford WIPP shipments.)

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**

<b>Solid Waste Stabilization and Disposition</b>
<b>M/LLW</b>
M/LLW Treatment
WESF Ventilation Upgrades
Cesium/Strontium Capsules Disposition Acceleration
<b>TRU Waste</b>
TRU Characterization and Shipping

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CH-TRU Retrieval and Repack
RH-TRU Retrieval
RH-TRU Processing

### 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	N/A
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"> <li>• Create new jobs.</li> <li>• Retain existing jobs.</li> </ul>	<ul style="list-style-type: none"> <li>• Support Hanford goal of 3900 jobs (See Note)</li> </ul>
National Security and Legacy	<ul style="list-style-type: none"> <li>• Eliminate environmental threats to Columbia River.</li> <li>• Remediation of waste sites</li> <li>• Decontamination and Decommissioning of legacy facilities</li> <li>• Reduce EM legacy footprint</li> </ul>	<ul style="list-style-type: none"> <li>• 1800 cm3 of MLLW treated</li> <li>• 850 cm3 of TRU waste dispositioned</li> <li>• Retrieve 2500 cm3 of TRU waste</li> </ul>
Climate Change	N/A	N/A

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

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### **Collaboration and Coordination**

Energy Solutions in Utah and other commercially-operated waste treatment/storage/disposal facilities in Idaho, Oregon, and New Mexico will be needed to support treatment and disposal of waste generated during the Recovery Act Project. Coordination with these interfaces already exists, however will be enhanced throughout this project. Maintaining continuity of available shipping, treatment, and disposal capacity to support Transuranic Waste, Class A and Greater-Than Class A Mixed Low Level Radioactive Waste is important to the 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.

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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**

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)

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**Table 11: Information on Hiring Under the ARRA**

<b># &amp; Type of Positions</b> (Title, Series and Grade)	<b>Location</b> (HQ or Field – w/location)	<b>Federal or Contractor</b>	<b>Timeframe</b> (1-6mos; 6+mos; other; specify date needed if possible)
N/A	N/A	N/A	N/A

**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.

**Table 12: Procurement Plans**

<b>Activity</b>	<b>Type</b>	<b>New/Exist (N/E)</b>	<b>Changes (E), Needs (N)</b>	<b>Status</b>	<b>Expected Complete</b>	<b>Issues (Y/N)</b>
Plateau Remediation Contract - Environmental Remediation	Contract	E	(E) Funding Modifications	Contract Mod A037 April 9 2009	Completed	N