

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

Richland - Hanford Site – TRU and Solid Waste 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: \$315,663,000
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 retrieving suspect stored transuranic waste from the 200 Area covered storage areas, repacking waste as required to meet Waste Isolation Pilot Plant (WIPP) Waste Acceptance Criteria (WAC) requirements, shipping transuranic (TRU) waste offsite for disposal or processing, and treating the backlog of current legacy mixed low level waste at Hanford. The required funding 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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RL-0013C.R1.2 (Operations: Transuranic Waste retrieval, repackaging, and shipping):

This scope involves stored waste retrieval, TRU waste repackaging of drums, and shipping TRU waste offsite for either disposal at the Waste Isolation Pilot Plant (WIPP) or processing at the Idaho National Laboratory (INL) Advance Mixed Waste Treatment Project (AMWTP). This work is in concert with EM priorities for accelerating TRU shipments and meets the schedules required by the Tri-Party Agreement (TPA). This legacy waste is currently being stored in the Central Waste Complex (CWC), Waste Receiving and Processing (WRAP) facility, and T Plant on the Hanford Site. Many of these drums were placed on asphalt pads stacked in storage modules and covered with soil. Fire retardant plywood sheets separated the container tiers and the completed module was then covered with plastic sheeting and soil cover. The goal of this scope is to repackage, retrieve, and ship offsite the identified stored 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 for shipment offsite will be performed at the T-Plant and WRAP 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-091-40 and M-091-41 compliance milestones for Retrievably Stored Waste. This scope also provides for activities necessary to retrieve an estimated 50 cubic meters of RH TRU waste from storage, as required by TPA M-091-40 and M-091-41 milestone requirements. The ARRA project will allow continued suspect TRU waste retrieval from storage, rather than terminating and then resuming TRU waste retrieval in 2015 according to the previous plan, thus accelerating the schedule by approximately 5 years.

- **Hanford TRU Shipping**

ARRA provides funding to support the shipment of an estimated 2,000 cubic meters of TRU waste offsite including at least one inter-site shipping campaign to AMWTP in Idaho. This scope provides the necessary activities to support the Central Characterization Project (CCP) in preparing and loading TRU waste into shipping containers. This activity also supports meeting TPA milestone M-091-46G.

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RL-0013C.R1.1 (Operations: Mixed Low Level Waste (MLLW) Treatment):

This scope involves the treatment and disposal of an estimated 1,800 cubic meters (~475,500 gallons) of the current backlog of legacy Low Level Waste (LLW) and MLLW, and waste from retrieval. Low-Level Waste consists of radioactive waste that is not high-level waste or TRU waste. The LLW that also contains chemically hazardous constituents regulated under the Resource Conservation Recovery Act (RCRA) or the Toxic Substances Control Act (TSCA) is considered MLLW. Most waste in this initiative is considered contact-handled (CH) 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-091-42 and M-091-43 to make it compliant with DOE Order 435.1, and the Waste Acceptance Criteria of the Mixed Waste Disposal Trenches (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 an EnergySolutions facility in Clive, Utah. This ARRA scope will accelerate treatment of MLLW by approximately 5 years.

The ARRA funding will be used to accelerate procurement of additional capacity, shipping containers, and necessary equipment to facilitate disposition of Hanford site waste.

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.

De-inventory and Demolition Projects:

N/A

Work Scope Changes:

The project scope has been modified from the original Project Operating Plan to address the additions of TRU waste shipments per EM direction to help meet the national TRU program shipping goals. Due to degraded field TRU retrieval conditions, the TRU retrieval Key Performance Parameter (KPP) has been modified to reflect longer durations

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to retrieve stored waste safely beyond what was anticipated and new quarterly performance milestones have been incorporated. In addition, TRU Large Container Processing will be initiated. The MLLW waste KPP quarterly performance milestone values have also been revised to reflect new TRU retrieval volumes, and the resultant waste available for treatment. The remaining scope remains unchanged from the original Project Operating Plan.

Buy Back Work Scope:

Because the focus on the Hanford Site is to apply performance-based contracting and project management methodologies while implementing techniques that maximize performance efficiencies through innovation and scope completion, the possibility exists that remaining project funds will be available at or before project completion. These remaining funds may be a result of cost savings due to efficiencies or Management Reserve (MR) and Contingency unused due to unrealized risk with planned ARRA work. These remaining funds will 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, forecast planning has occurred to identify a list of existing 2011-2012 RL base work (with Rough Order of Magnitude (ROM) estimates) that may be accelerated with potential remaining funds.

Based on the potential availability of funds from unused management reserve and contingency funds and from cost efficiencies in executing the planned projects, the following additional candidate projects have been identified should funding become available.

Solid Waste Stabilization and Disposition	ROM Estimate
M/LLW	
M/LLW Treatment (beyond the completion criteria and work scope changes in this POP)	\$10M
TRU Waste	
TRU Characterization and Shipping (beyond the completion criteria and work scope changes in this POP)	\$20M
CH-TRU Repack (Backlog) (beyond the completion criteria and work scope changes in this POP)	\$20M
CH-TRU Retrieval (beyond the completion criteria and work scope changes in this POP)	\$20M
CH-TRU Processing (Point of generation packaging) (beyond the completion criteria and work scope changes in this POP)	\$20M
TRU Large Container Processing	\$14M
RH-TRU Retrieval (beyond the completion criteria and work scope changes in this POP)	\$38M

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RH-TRU Processing (beyond the completion criteria and work scope changes in this POP)	\$44M
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Note: This list contains forecasting information. Work will only occur if remaining funds are realized and may only occur for part of the list or a portion of a single Buy Back list item.

Public Benefits:

Public benefits resulting from ARRA 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.

ARRA 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 ARRA 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.

Recovery Act 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 ARRA funding because these cleanup activities are associated with:

- Proven technologies—on-the-shelf plans and projects ready to be implemented

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- 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, recovery and disposition of the backlog of legacy stored TRU waste, and disposition of the legacy stored 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 ROM savings approximately \$336M.

II. COST & SCHEDULE

Budget:

Tables below include the high level spend plan from April 2009 through September 2011 (expenditures) and obligation of ARRA funds, from April 2009 through September 2010.

Table 1: Budget Implementation Monthly Obligations (actual obligations to contractors for Apr 2009 through Feb 2010 and projected obligations to contractors for Mar 2010 through Sept 2010) (\$M)

The Project funding is subject to re-apportionment and will be finalized by 9/30/2010; the Project Operating Plan will then be reissued with an obligations table.

Table 2: Budget Implementation Actual and Planned Monthly Expenditures (actual accumulative cost from Apr 2009 thru Apr 2010 and projected costs for Mar 2010 through Sept 2011 and then, if applicable, projected quarterly expenditures in FY2012) (\$M)

The Project funding is subject to re-apportionment and will be finalized by 9/30/2010; the Project Operating Plan will then be reissued with a costs table.

Funds Returned and Offsetting Collections:

N/A

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

	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15
N/A	N/A	N/A	N/A	N/A	N/A	N/A	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 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)

Not applicable

Milestones:

Milestone Date	Description
	ARRA milestones are under configuration management and are currently captured in DOE EM Integrated Planning, Accountability, and Budgeting System (IPABS) with monthly reporting of performance

Note: Targets and performance measures are provided in Table 6a.

NEPA Compliance:

This scope of work is being undertaken consistent with existing Resource Conservation and Recovery Act (RCRA) permits and National Environmental Policy Act of 1969 (NEPA). Some TRU waste retrieval activities may require modification to the RCRA permit, or alternatively conducted under a Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) action. The site’s NEPA Compliance Officer will monitor implementation and, as necessary, determine whether additional NEPA review is required.

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Project Management:

In executing this ARRA work, 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 work. DOE-RL will also utilize Integrated Project Teams (IPTs) comprised of Federal and contractor professionals of diverse disciplines with specific knowledge, skills, and abilities necessary to support successful project execution. Project Directors, contracting officers, safety and quality, legal, and technical personnel also participate on IPTs. Utilizing DOE O 413.3A best practices, DOE-RL cost estimates and schedules were developed at greater than 50% confidence. Additionally, this project has an approved Project Execution Plan that is being used to manage the project.

Table 5: Delivery Schedule for Capital Asset Projects

Program/OECM Milestone	Delivery (End) Date	Comments
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

The table below lists the Project Performance targets for RL-0013C.R1.1 (MLLW Treatment), RL-0013C.R1.2 (TRU Waste)

Table 6a: 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	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.
ARRA Overall Performance Measure	By the end of fiscal year 2011, meet TPA M-091-40, M-091-41, M-091-42, M-091-43, and M-091-46 requirements for handling of waste and DOE O 435.1 treatment of waste.

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Mixed/Low Level Waste Treatment	
Key Performance Parameter 1¹:	1,800 cubic meters of waste shipped for treatment
Associated Key Metrics:	<ul style="list-style-type: none"> • Waste shipped to treatment facility (m3)
TRU Program	
Key Performance Parameter 1:	2,500 cubic meters of suspect TRU waste retrieved from storage
Associated Key Metric:	<ul style="list-style-type: none"> • Suspect TRU waste retrieved (m3)
Key Performance Parameter 2:	850 cubic meters of WIPP certifiable TRU waste repackaged
Associated Key Metric:	<ul style="list-style-type: none"> • WIPP certifiable TRU waste repackaged in accordance with Hanford Site Solid Waste Acceptance Criteria (m3)
Key Performance Parameter 3:	50 cubic meters of suspect remote handled TRU waste retrieved from storage
Associated Key Metric:	<ul style="list-style-type: none"> • Suspect RH-TRU waste retrieved (m3)
Key Performance Parameter 4:	2,000 cubic meters of contact handled TRU waste shipped offsite
Associated Key Metric:	<ul style="list-style-type: none"> • Support CCP Shipments of contact handled TRU waste offsite (number of shipments) • Ship CH-TRU Waste for disposal (m³)
Quarterly Targets	
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"> • Issue notice to proceed • Initiate contact handled TRU retrieval • Initiate shipment of 153m³ MLL waste for treatment • Initiate treatment of backlog legacy MLL waste
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Completed retrieval of 159m³ of contact handled TRU waste • Continue treatment of backlog legacy MLL waste • Initiate shipment of 306m³ MLL waste for treatment
Second Year Performance Target (2010)	Achieve progress processing of TRU waste and treating MLLW
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete repacking of 100 cubic meters of TRU waste • Complete retrieval of 271 m³ of CH TRU waste • Initiate shipment of 248m³ MLLW for treatment
Q2 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> • Complete repacking of 100m³ of TRU waste • Initiate shipment of 198 m³ M/LL waste for treatment • Initiate CH TRU shipments offsite

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Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> Complete retrieval of 40m³ of CH TRU waste per the recovery plan Complete repacking of 100m³ of TRU waste Complete 255m³ CH TRU waste shipments offsite Initiate shipment of 92 m³ M/LL waste for treatment
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> Complete retrieval of 185m³ of CH TRU waste per the recovery plan Complete repacking of 100m³ of TRU waste Complete 75m³ CH TRU waste shipments offsite Initiate shipment of 150 m³ M/LL waste for treatment
Third Year Performance Target	Complete Key Performance Parameters (KPPs) for repacking, retrieving, and shipping TRU waste and KPPs for treatment and disposal of MLLW waste
Q1 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> Complete retrieval of 275m³ of CH TRU waste per the recovery plan Complete repacking of 110m³ of TRU waste Initiate shipment of 75 m³ M/LLW for treatment Complete 195m³ CH TRU waste shipments offsite
Q2 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> Complete retrieval of 530m³ of CH TRU waste per the recovery plan Complete repacking of 115m³ of TRU waste Initiate shipment of 205 m³ M/LL waste for treatment Complete 410m³ CH TRU waste shipments offsite
Q3 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> Complete retrieval of 415m³ of CH TRU waste per the recovery plan Complete repacking of 115m³ of TRU waste Complete 420m³ CH TRU waste shipments offsite Initiate shipment of 188 m³ M/LL waste for treatment
Q4 - Project-Level Quarterly Performance Milestone(s)	<ul style="list-style-type: none"> Complete retrieval of 626m³ of CH TRU waste per the recovery plan Complete repacking of 110m³ of TRU waste Complete retrieval of 50m³ of RH TRU waste Complete 575m³ CH TRU waste shipments offsite Initiate shipment of 185 m³ M/LL waste for treatment

Table 6b. RL-0013C.R1.1 (MLLW Treatment) Detailed ARRA-Specific Project Performance Measures and Targets

RL-0013C.R1.1 (MLLW Treatment)												
	FY 2009 Q3 Target	FY 2009 Q4 Target	FY 2010 Q1 Target	FY 2010 Q2 Target	FY 2010 Q3 Target	FY 2010 Q4 Target	FY 2011 Q1 Target	FY 2011 Q2 Target	FY 2011 Q3 Target	FY 2011 Q4 Target	FY 2012 Target	Total ARRA Target
MLLW shipped for treatment	Configured records of planned ARRA time-phased metrics are currently captured in DOE EM Integrated Planning, Accountability, and Budgeting System (IPABS) with monthly reporting of performance										N/A	1800 m ³

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Note 1: Success in shipping MLLW stored in above ground storage earlier means continued shipments will rely more on retrieval, while 1800 m³ will be shipped and funds will be committed for treatment consistent with the Anti-Deficiency Act, the return of some treated waste is not expected until FY2012.

Table 6c. RL-0013C.R1.2 (TRU Waste) Detailed ARRA-Specific Project Performance Measures and Targets

RL-0013C.R1.2 (TRU Waste)												
	FY 2009 Q3 Target	FY 2009 Q4 Target	FY 2010 Q1 Target	FY 2010 Q2 Target	FY 2010 Q3 Target	FY 2010 Q4 Target	FY 2011 Q1 Target	FY 2011 Q2 Target	FY 2011 Q3 Target	FY 2011 Q4 Target	FY 2012 Target	Total ARRA Target
Suspect TRU waste retrieved from storage	Configured records of planned ARRA time-phased metrics are currently captured in IPABS with monthly reporting of performance										N/A	2500 m3
WIPP certifiable TRU waste repackaged	Configured records of planned ARRA time-phased metrics are currently captured in IPABS with monthly reporting of performance										N/A	850 m3
Suspect remote handled TRU waste retrieved from storage	Configured records of planned ARRA time-phased metrics are currently captured in IPABS with monthly reporting of performance										N/A	50 m3
Contact handled TRU waste shipped offsite	Configured records of planned ARRA time-phased metrics are currently captured in IPABS with monthly reporting of performance										N/A	2000 m3

Note: PMM program goals are being accelerated through ARRA funding. The period of performance for the ARRA work is 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. The scope of the MLLW KPPs is subject to change due to waste designation during the TRU Waste Retrieval effort.

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.

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Table 7: 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 8: 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 Hanford 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"> • 1800 m3 of MLLW treated • 850 m3 of TRU waste certification ready • Retrieve 2500 m3 of TRU waste • 2,000 m3 of CH TRU waste shipped offsite
Climate Change	N/A	N/A

Note: Quantitative goal of 3,900 jobs is subject to change based on EM and Office of Management and Budget (OMB) guidance.

Collaboration and Coordination:

EnergySolutions in Utah, PermaFix Northwest in Washington, and other waste treatment/storage/disposal facilities in Idaho and New Mexico will be needed to support treatment and disposal of waste generated for this work. Coordination with these interfaces already exists, however will be enhanced throughout this activity. 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

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utilizing existing safety and specialty training courses. However, training courses have been 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 ARRA project work and operations at Hanford. These include:

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

Federal Infrastructure Investments:

N/A

Line Management:

As with project management, 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:

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- 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 subcontractors, 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:

1) 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 Project RL-0040.R1.3)

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Table 9: 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)
N/A	N/A	N/A	N/A

2) Procurement

Though scope will be accelerated with the addition of ARRA funds, the original scope and purpose of the 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 10: 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; Contract Mod M047 and 087 December 2009	Completed	N