Appendix A-1

Contract Performance Reports
ARRA

Format 1 - Work Breakdown Structure
Format 3 - Baseline
Format 5 - Explanation and Problem Analysis
**CONTRACT PERFORMANCE REPORT**

**FORM APPROVED**

DOLLARS IN Thousands of $

<table>
<thead>
<tr>
<th>ITEM</th>
<th>BUDGETED COST</th>
<th>ACTUAL COST</th>
<th>VARIANCE</th>
<th>BUDGETED COST</th>
<th>ACTUAL COST</th>
<th>VARIANCE</th>
<th>BUDGETED COST</th>
<th>ACTUAL COST</th>
<th>VARIANCE</th>
<th>BUDGETED COST</th>
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<td>(329)</td>
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<td>RL-0013C.R1.2 Triton Waste</td>
<td>11,480</td>
<td>10,847</td>
<td>10,303</td>
<td>(532)</td>
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<td>615</td>
<td>84,321</td>
<td>82,344</td>
<td>69,916</td>
<td>884</td>
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<td>2,805</td>
<td>3,630</td>
<td>(960)</td>
<td>(826)</td>
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<td>161,401</td>
<td>163,147</td>
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<td>(1,746)</td>
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<td>615</td>
<td>84,321</td>
<td>82,344</td>
<td>69,916</td>
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<td>(432)</td>
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<td>(826)</td>
<td>167,221</td>
<td>161,401</td>
<td>163,147</td>
<td>(5,820)</td>
<td>(1,746)</td>
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<td>c. Undist. Budget</td>
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<tr>
<td>d. Sub Total</td>
<td>49,855</td>
<td>48,576</td>
<td>46,813</td>
<td>(5,842)</td>
<td>1,782</td>
<td>1,183,738</td>
<td>1,160,498</td>
<td>1,142,252</td>
<td>(23,236)</td>
<td>18,246</td>
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<td>e. Management Reserve</td>
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<tr>
<td>f. Total</td>
<td>49,855</td>
<td>48,576</td>
<td>46,813</td>
<td>(5,842)</td>
<td>1,782</td>
<td>1,183,738</td>
<td>1,160,498</td>
<td>1,142,252</td>
<td>(23,236)</td>
<td>18,246</td>
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<td>g. Reconciliation to CBB</td>
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## Contract Performance Report

### Format 3 - Baseline

#### DOLLARS IN THOUSANDS

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<th>Contract</th>
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<th>Program</th>
<th>Report Period From</th>
<th>To</th>
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#### Location:
Richland, WA

#### Type:
CPAF

#### EVMS Acceptance:
NO

### Contract Data:

- **Original Negotiated Cost**: $1,305,000
- **Negotiated Contract**: $1,305,000
- **Current Negotiated Cost**: $1,305,000
- **Estimated Cost**: $1,305,000
- **Contract Budget**: $1,305,000
- **Total Allocated**: $1,305,000

#### Share Ratio:
$0

### Contract Start Date:
4/5/2009

### Definitization Date:
9/9/2009

### Planned Completion Date:
9/30/2011

### Contract Completion Date:
9/30/2011

### Estimated Completion Date:
9/30/2011

### Performance Data:

#### BUDGETED COST FOR WORK SCHEDULED (NON-CUMULATIVE)

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<th>FY10</th>
<th>FY11</th>
<th>FY12</th>
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<th>UNDISTRIB</th>
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<td>49,672</td>
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<td>244</td>
<td>161,538</td>
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<td>161,538</td>
<td>565,906</td>
<td>$1,308,663</td>
<td></td>
</tr>
</tbody>
</table>

### Management Reserve:

$16,009

### Total:

$1,352,640

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**Note:**

- BCWS = Budgeted Cost at Work Scheduled
- BCRA = Baseline Changes Authorization
- FY = Fiscal Year
- PM = Program Manager
- RSU = Realized Savings Utilization
- S & S = Substantiated Savings
## CONTRACT PERFORMANCE REPORT
### FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES

<table>
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<tr>
<th>1. CONTRACTOR</th>
<th>2. CONTRACT</th>
<th>3. PROGRAM</th>
<th>4. REPORT PERIOD</th>
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### A. NAME
- **RL-40.R1.2** Outer Zone D&D (+$1.2M) which results from progress in the disposition of rail cars and efficiencies in debris removal;
- Efficiencies in engineering and construction management/oversight and the cost transfer of resin procurement costs that had been charged.
- Work has continued with preparation of the statement of work to allow engineering activities to commence.
- Processing of higher priority waste is experiencing a delay in receipt of planned waste feed from TRU Retrieval, coupled with delay of M-91-43 returns from receiving facility due to RCT support coupled with the discovery of contamination in the 234-5Z transfer lines which was previously thought to be non-contaminated.

### B. LOCATION (Address and ZIP Code)
- Richland, WA 99354

### C. TYPE
- CPAP

### D. SHARE RATIO
- 30.R1.2

### E. EVMS ACCEPTANCE
- 2009/09/18
- NO
- YES

### F. REPORT DATE
- 2011/7/24

### G. CLASSIFICATION (When Filled In)

### H. EXPLANATION OF VARIANCE/DESCRIPTION OF PROBLEM:

#### Current Period Schedule Variance:
A unfavorable schedule variance occurs in the Direct Projects, specifically, RL11.R1 PFP D&D (-$3.3M), RL-13C.R1.2 (-$5.5M), RL-30.R1.1 (-$6.8M), and RL-41.R1.1 (-$1.0M) which is partially offset by a favorable schedule variances in RL-13C.R1.1 (+$1.1M), RL-30.R1.2 (+$2.2M), and RL-40.R1.1 (+$2.2M) and RL-40.R1.2 (+$1.5M). The following are within reporting thresholds: RL-13C.R1.1, RL-13C.R1.2, RL-30.R1.2 and RL-40.R1.1. For RL11.R1 PFP D&D, the unfavorable variance is a result of resources for ancillary mobile building demolition and the 242-Z D&D team being focused on higher priority KPP work and delays in Asbestos Abatement Removal in 234-5Z due to lack of RCT support coupled with the discovery of contamination in the 234-5Z transfer lines which was previously thought to be non-contaminated.

For RL-30.R1.1 Groundwater Capital Assets unfavorable variance is realized BCWS for work completed in previous periods. RL-40.R1.2, Outer Zone D&D the favorable variance results from progress in the disposal of rail cars from 212-N, recovery of some schedule for debris removal in the McGee and Wahluke area and by use of staged backfill material for 216-C-26/19. For RL-41.R1.1 100K Area Remediation the unfavorable variance continues to occur where KW Deactivation activities for “Free of Found Fuel” continue however performance can’t be taken until the activities are completed, the 105KE Reactor Disposition-ISS/SSE project being deferred to support other 100K activities and deferral of T-Plant general site cleanup which will be reflected in BCR-R41-005R0.

#### Current Period Cost Variance:
For RL-40.R1.2, RL-40.R1.1, RL-30.R1.2 and RL-13C.R1.1 there is no significant cost impact for the current period. For RL-11.R1 PFP D&D (-$1.2M) due to inefficiencies associated with 234-5Z with the discovery of contamination in the transfer lines which was previously thought to be non-contaminated.

#### Cumulative Schedule Variance:
An unfavorable cumulative schedule variance (-$23.2M) exists, however all ARRA Subprojects schedules variances are within reporting thresholds with exception of RL-13C.R1.1 MLLW Treatment (-$2.6M/0.94 SPI) where M-91-43 activities are experiencing a delay in receipt of planned waste feed from TRU Retrieval, coupled with delay of M-91-43 returns from receiving facility due to processing of higher priority waste.

#### Cumulative Cost Variance:
The favorable cumulative cost variance (+$18.2M) occurs in all Direct Projects supporting ARRA work scope and are within reporting thresholds except for the following: RL-13C.R1.1 MLLW Treatment (+$4.1M/1.11 SPI) resulting from costs for treatment being below plan due to efficiencies created by waste treated by CS-Clive rather than planned treatment at Perma-Fix allowed by a waiver received from DOE and savings due to direct disposal of waste at ERDF rather than shipment to an offsite treatment facility for FY09 scope; and RL-40.R1.2 Outer Zone D&D (+$12.4M/1.18 SPI) resulting primarily from efficiencies in demolishing 600 Area Facilities and remediation of outer area waste sites.

#### Impact:
For RL-40.R1.1 and RL-41.R1.1 the current period schedule impacts are the same as the CTD schedule impacts (see below). For RL-11.R1 the primary impact is in D&D of process and lab areas and getting Z/ZB Complex ready for demolition. For RL-13C.R1.2 recovery plans are being implemented for the CH TRU Retrieval issues. For RL-30.R1.1 - there are no impacts as the variance is minimal. For RL-40.R1.2, there are no impacts as the current period schedule variance is favorable and reduces the overall schedule variance.

For RL-40.R1.2, RL-40.R1.1, RL-30.R1.2 and RL-13C.R1.1 there is no significant cost impact for the current period. For RL-30.R1.1, the positive cost variance is part of recovering the cum to date CV for the subproject. For RL-41.R1.1 the unfavorable cost variances
on the 100K Reactor Power/River Water isolation work will be monitored. For RL-11.R1 extended resources to get the Z/ZB Complex ready for
demolition increase the cost at completion for this work scope.

CTD Schedule: For RL-41.R1.1 100K River Water and Reactor Power Isolation delays ultimately delay structure demolition and waste site remediation. Additional soil contamination (realized risk) is beginning to impact the schedule. For RL-13C.R1.2 recovery plans are being implemented for the CH TRU Retrieval issues associated with the significantly deteriorated containers. For RL-11.R1 focusing D&D field work teams on completing the KPP for glovebox removal and readying the Z/ZB complex for demolition has delayed other planned FY11 work scope; the schedule for completing that scope will be impacted by lower-than-expected out-year funding. For RL-30.R1.1 the positive SV is the result of managing the primary contractor to an accelerated completion date. For RL-30.R1.2 there are no impacts as the variance is minimal. For RL-40.R1.1 D&D of U-plant Cell 30 is impacted by holdup material being greater than anticipated (realized risk) causing project re-evaluation and no progress being made; insulator shortage for asbestos abatement is slowing down completion; more soil contamination than expected (realized risk) and extensive regulatory reviews (realized risk) are delaying waste site remediation completion. For RL-40.R1.2 remediation of O-Zone sites, completion of the intentionally delayed waste sites will not be achieved due to placing priority on footprint reduction.

CTD Cost: For RL-40.R1.1, RL-40.R.1.2 and RL-41.R.1.1 there is overall positive cost impact due to project efficiencies. There is no impact to cost for all other subprojects, except RL-13C.R1.2, which has increased material and labor costs in support of the Trench Face Retrieval and Characterization System (TFRCS), coupled with increased support and management costs for CH TRU retrieval issues associated with significantly deteriorated containers. For RL-30.R1.1 the recovery of the variance will continue to be monitored. For RL-30.R1.2 efficiencies in well drilling activities (NR-2 & HR-3) as well as multi-incremental sampling, borehole drilling, and landfill characterization activities have resulted in additional favorable cost variances. For RL-11.R1 an under-run at completion is forecast.

Corrective Action:

Current Period Schedule: For RL-11.R1 BCR-R11-11-003R0, “PFP Recovery Act Goal Change”, was implemented which extends the glove box removal Key Performance Parameter (KPP) to December 31, 2011. For RL-40.R1.1 and RL-41.R1.1 the current period schedule corrective actions are the same as CTD schedule corrective actions (see below). For RL-40.R1.2 O-Zone waste sites, there is no corrective action required. For RL-30.R1.1 no corrective actions required. For RL-30.R1.2 no corrective actions required. For RL-30.R1.3 LLWL no corrective actions required (M-91-42 waiting feed from TRU Retrieval Recovery Plan).

Current Period Cost: For RL-11.R1 no corrections are planned. For RL-30.R1.1 no corrective action required. For RL-30.R1.2 no corrective action required. For RL-41.R1.1 current period cost corrective actions are the same as the CTD cost corrective actions (see below). For RL-40.R1.1 U-Plant current cost variances can be covered by efficiencies in other D&D areas. For RL-40.R1.2 O-Zone Waste Site there is no required corrective action for the current period cost variance.

CTD Schedule: RL-41.R1.1 has implemented a baseline change request (BCR) to address additional soil contamination (realized risk). Schedule recovery actions are being evaluated to recover the D&D structure demolition and waste site remediation schedule activities where they can to offset where other demolition and remediation activities have been delayed. For RL3C.R1.2 recovery plans are being implemented for the CH TRU Retrieval issues associated with deteriorated containers. For RL-11.R1 work that does not support the KPP has been canceled or deferred to out-years and the schedule impact will be addressed in an upcoming life-cycle change request. For RL-40.R1.2 O-Zone waste sites the schedule variance will be accepted in order to achieve the footprint reduction goals. For RL-40.R1.1 D&D structure demolition activities are being accelerated where they can to offset where other demolition activities are delayed. For RL-30.R1.1 no corrective action required. For RL-30.R1.2 no corrective action required.

CTD Cost: For RL-40.R1.2 no corrective actions are required. For RL-13C.R1.1 the favorable cost variance is expected to continue. For RL-30.R1.1 the 200W P&T cost variance is being evaluated and monitored. For RL-30.R1.2 efficiencies in well drilling activities (NR-2 & HR-3) as well as multi-incremental sampling, borehole drilling, and landfill characterization activities will remain requiring no corrective action at this time. For RL-11.R1 costs associated with completing deferred work scope will be addressed in an upcoming life-cycle BCR. For RL-13C.R1.2, RL-40.R1.1 and RL-41.R1.1 no corrective actions are required at this time.

Monthly Summary: (to include technical causes of VARs, Impacts, and Corrective Action(s):

All ARRA Subproject’s cumulative to date cost and schedule variances are within reporting thresholds except for RL-13C.R1.2 TRU Retrieval and RL-40.R1.2 Outer Zone D&D which have a positive cost variance above thresholds and RL-13C.R1.1 LLWL Treatment which has a negative schedule variance that is just below the negative threshold. Overall, the current period schedule and cost variances are mixed between favorable and unfavorable performance and the cumulative to date schedule variance increased as more technical and scope issues occurred this month, however the unfavorable cost variance trend continues to be reversed. RL-11.R1 PFP D&D, monthly unfavorable schedule and cost variances will continue until the a baseline change request revises the baseline for D&D of process and lab areas and getting Z/ZB Complex ready for demolition. RL-13C.R1.1 LLWL Treatment unfavorable cumulative to date schedule variance was significantly reduced this month with increased waste shipments and should continue to decrease for the remainder of the year. RL-13C.R1.2 TRU Waste unfavorable cumulative to date schedule variance continued to increase this month resulting from T-Plant Repack impacted by need to vent drums with 90 mil liners, coupled with suspension of RH/Large Package Commercial Repack to align with FY11 priorities, and delayed WRAP Repack due to Beryllium (Be) program impacts and 2404WB recovery activities. RL-30.R1.1 Groundwater Capital Assets cumulative to date favorable schedule variance slightly decreased this month however the cumulative unfavorable cost variance decreased significantly due to efficiencies in engineering and construction management/oversight and the cost transfer of resin procurement costs that had been charged incorrectly to the ZP-1 Pump and Treat. RL-30.R1.2 Groundwater Operations cumulative to date schedule variance continues to improve and there continues to be a cumulative cost variance although it was insignificantly reduced this month. RL-40.R1.1 U Plant/Other D&D unfavorable cumulative to date schedule variance was reduced slightly this month with the favorable cost variance slightly eroding due to current month cost and schedule variances result from reduced work schedule due to heat stress and increase effort required for the mock up for the 209E Stimulus-Semi Works Zone project. RL-40.R1.2 Outer Zone D&D favorable current month cost and schedule reflects completion of BC Control Area. RL-41.R1.1 100K Area Remediation unfavorable cumulative schedule and cost variances should improve by using improved estimates for the 100K Core and ISS baseline to be implemented in the coming months, however some work will not be completed by the end of the fiscal year and costs will continue to be unfavorable.
**Variance in Performance BAC and EAC:** The variance at complete (VAC) between the BAC and EAC this month is positive $60.5 million and 4.5%. This variance is within threshold for the Project. For information, the VAC threshold limit is +or- 5% and +or- $15 million.

**Use of Management Reserve:** Management reserve in July 2011 remained at $16.0 million.

**Best/Worst/Most Likely Estimate:** The Best EAC is the EAC reported this month, which assumes all efficiencies gained contract-to-date will remain at completion with no use of management reserve. The most likely EAC is the EAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will remain at completion but all available management reserve is used (e.g., all identified risks realized). The worst EAC is the BAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will be eroded at completion and all available management reserve is used (e.g., all identified risks realized). The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.

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<th>Date:</th>
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(1) = Trench Face Process System; (2) = Trench Face Retrieval & Characterization System; (3) = Remove, Treat and Dispose; (4) = Confirmatory Sampling/No Action; (5) = Project Specific Distributables Rewards & Recognition Program; (6) Defense Contract Audit Agency