1220454

River Corridor/Central Plateau
Tri-Party Agreement Milestone Review
Meeting Minutes
April 18, 2013

Approval: Jane A. Hedges, Program Manager — Date: May 16, 2013
J. Hedges
Ecology IAMIT Representative

Approval: FOR — Date: 5·16·2013
J.A. Dowell
DOE IAMIT Representative

Approval: — Date: 16 May 13
D.A. Faulk
EPA IAMIT Representative

Minutes Prepared by: — Date: 5/16/2013
T.W. Noland
Mission Support Alliance, LLC

Blackburn, J. E.*	WCH
Bohnee, G.	NPT
Bond, F.W.*	Ecology
Brown, M.J.*	Ecology
Butler, D.H.	MSA
Cameron, C.E.	EPA
Charboneau, B.L.*	RL
Cimon, S.*	ODE
Cline, M.W.	RL
Collins, M.S.*	RL
Conway, K.*	Ecology
Cox, W.G.	CHPRC
Dittmer, L.M.*	CHPRC
Dover G.L.*	WCH
Dowell, J.A.*	RL
Einan, D.R.	EPA
Farabee, O.A.*	RL
Faulk, D.A.*	EPA
Foley, B. L.*	RL
French, M.S.*	RL
Gadbois, L.E.	EPA
Goswami, D.*	Ecology
Harris, S.	CTUIR
Hedges, J.	Ecology
Henry, D.	ODE
Jim, R.	Yakama
Kaldor, R.A.*	MSA
Killoy, S.E.	WRPS
Korenkiewicz, S.L.*	RL
Knox, K.E.*	KCR
Lobos, R.A.*	EPA
Lynch, J.J.	ORP
Menard, N.M.*	Ecology
Morse J.G.	RL
Moser, K.R.*	MSA
Nguyen, T.L.	RL
Niles, K.	ODE
Noland, T.W.*	MSA
Ortiz, S.M.	RL
Peschong, J.C.	RL
Piippo, R.E.*	MSA
Popielarczyk, R.S.	CHPRC
Price, J.B.*	Ecology
Romine L.D.	RL
Singleton, D.G.*	Ecology
Skinnarland, E.R.	Ecology
Teimouri, A.E.	HQ
Teynor, T.K.*	RL
Vanni, J.	Yakama
Welsch K.R.*	Ecology
Whalen, C.*	Ecology
Williamson, R.U.*	WCH
Yasek, D.M.*	WCH
Administrative Record	

*Attendees

RECEIVED
MAY 17 2013
EDMC

River Corridor/Central Plateau
Tri-Party Agreement Milestone Review
Meeting Minutes
April 18, 2013

River Corridor Closure Project - Milestones M-16/M-89/M-92/M-94

Quarterly Summary (January - March 2013) - DOE-RL noted that proposed milestones P-16-158, P-16-55 and P-16-148 were completed in the quarter, and as soon as the TPA change package is approved, completion letters will be submitted for the milestones.
Milestone Status:

M-16-75 - DOE-RL stated that a TPA change request has been submitted to move the start date out six months for this milestone to allow more flexibility due to sequestration impacts (federal budget cuts). DOE-RL noted that the contractor (WCH) is working with the subcontractor on the work design, and the goal is to start work as soon as possible.

P-16-145 (M-16-145) - DOE-RL stated that the K Area remediation is at risk due to ongoing cultural reviews for establishing the sampling of culturally sensitive sites. The original plan was to complete the work and incorporate the results into the final Record of Decision (ROD); however, there may be issues with closing the sites out if no action is taken. Ecology stated that the Tri-Parties will need to determine if the K Area should be removed from the remedial action until a later time.

M-92-16 - DOE-RL reported that removal of the 340 vault was progressing well until contamination was discovered underneath the vault as the last support casings to support vault removal were being installed. The contamination was around 16R per hour, and soil samples were taken to assess the path forward and to maintain the interim safety standard. DOE-RL noted that the nuclear safety documents will most likely need to be revised. EPA asked about the depth of the contamination levels. WCH indicated the 340 vault is below-grade, and the contamination levels go to 25 feet deep. EPA asked if the sampling will check for transuranic (TRU) levels. DOE-RL responded that TRU levels will be checked. The samples are being analyzed and the results are expected within two weeks. EPA asked how DOE-RL will verify the soil does not contain americium above TRU levels. DOE-RL responded that the sample results will used to determine if the soil must be assayed.

Significant Accomplishments - For Last 3 Months:

M-16 - Remedial Action/Risk Assessment - DOE-RL reported that the backfilling at 100-C-7:1 has been put on hold due to sequestration. WCH is in the process of changing their contracting strategy to provide some cost savings. DOE-RL noted that the milestone associated with 100-C-7:1 is still on track to be completed by March 2014. EPA asked when the borrow pit analysis will be completed. DOE-RL stated that the tribes have raised issues regarding the borrow pit environmental assessment (EA), and efforts are under way to work with the tribes on those issues. DOE-RL noted that the cost will be

increased due to the need to do soil sampling in different areas, and WCH is planning to restart the work around the August 2013 time frame. EPA suggested that unless there are cultural issues with the B/C borrow pit area, that DOE-RL consider breaking that piece out from the EA to avoid hindering the work. DOE-RL stated that there are issues with breaking the borrow pit out from the EA, but that option has been considered, along with other options. DOE-RL noted that the remediation activities at 100-F Area were completed the last week in December 2012, so the reporting period was for January 2013.

M-89 - 324 Building - DOE-RL stated that the inspection of the crane rails was completed, and the crane rails were determined to be in good shape. A load test of the crane will be done to ensure the anchors for the rails are satisfactory.

ERDF - DOE-RL stated that a meeting is scheduled next week with EPA to discuss the path forward for restarting in-trench treatment. DOE-RL noted that the ERDF Performance Assessment (PA) is in the DOE Low-Level Waste Disposal Facility Federal Review Group (LFRG). Ecology asked when the LFRG review is expected to be completed. DOE-RL indicated the LFRG review should be completed in July 2013. EPA stated that when the PA comes to the regulatory agencies for review, a decision will be made whether or not to send the PA out for public review and comment, noting that there is no requirement for public comment. EPA added that the PA will not result in a ROD amendment, but there is a potential for revising the waste acceptance criteria.

Significant Actions Planned - For Next Three Months:

M-16 - Remedial Action/Risk Assessment - DOE-RL noted that loadout of 100-C-7:1 will be completed later in the year, due to the hold on backfilling.

M-94 - DOE-RL noted that removal of the 309 PRTR was sequenced with the 340 vault removal and use of some of the same equipment, so WCH will need to re-sequence the work to remove 309. Work is currently under way on 309 doing wire saw-cutting of the concrete. DOE-RL indicated that the weight of 309 is 1,200 tons, and the transport weight will bring it to a little over 1,300 tons.

Performance Summary - DOE-RL reported that the cost and schedule variances for the project remain positive, and the high cost variance has allowed more work to be done.

Issues - The Oregon Department of Energy (ODOE) asked about the amount of contamination under the 340 vaults. DOE-RL responded that there is a difference in the contamination level on one side of the caisson from the other side, and the caisson located about eight to 12 feet away has a very low dose of contamination.

Hanford 100-K Remediation - M-016 and M-093 TPA Milestones

Accomplishments - 2nd Quarter 2013:

Sludge Treatment Project Phase 1 - Removal of Containerized Sludge - DOE-RL

reported that M-016-174 is on track to meet the September 30, 2013 due date to complete the final design of the Sludge Retrieval and Transfer System. The final design will provide Critical Decision 2/3 (CD-2/3), which is the performance management baseline and the high level design start of construction by the end of 2013. DOE-RL has initiated comment resolution regarding the formal design review of the Engineered Container Retrieval and Transfer System (ECRTS). DOE-RL noted that the Preliminary Documented Safety Analysis (PDSA) is a critical document for nuclear safety, and the review and comment resolution of the ECRTS PDSA is being conducted as the contractor completes each section, which accelerates the process. DOE-RL stated that the Integrated Process Optimization Demonstration (IPOD) of the ECRTS process system is an overall review of the entire system, and any changes needed will be incorporated into the final design.

DOE-RL reported that the M-016-175 milestone to begin sludge removal from the 105-KW Fuel Storage Basin in September 2014 is being declared at risk. Construction of the annex has been affected by several quality-affecting problems that resulted in work stand-downs. Work was restarted in January 2013 in a phased approach, and then impacts from the sequestration resulted in suspension of construction in early March 2013. The contractor is in the process, with DOE-RL oversight, of ensuring the components and materials are stored properly so work can restart without having to reanalyze rebar, etc.

EPA noted that the annex construction was slowed down about a year ago due to funding. DOE-RL responded that the annex contract was awarded in May 2012, and then there was a period of time getting the contractor in the field to perform properly. Once the contractor started work, the quality-affecting issues and work stand-downs caused a delay, and following the phased approach to restart construction, the sequestration impacts hit in March. EPA commented that from its perspective, the milestone has been at risk for longer than just the sequestration impacts, and that all of the reasons for causing the milestone to be at risk should be presented. DOE-RL agreed with EPA's comment that the project was at risk last year due to budget constraints, noting that the 100-K project had a loss of 23.2 million dollars in funding, although the annex was fully funded. At that time, DOE-RL believed that the schedule could be recovered until the quality-affecting issues arose. DOE-RL noted that funding for the equipment inside the annex was lacking. EPA reiterated its position that it is not willing to move these milestones.

DOE-RL reported that the Cold Vacuum Drying Facility (CVDF) was downgraded from a Hazard Category 2 Facility to a Less Than Hazard Category 3 Facility, which will result in a cost savings of about five million dollars per year. Ecology asked if the downgrade was based on new calculations as opposed to moving source term. DOE-RL responded that after the last knock-out pot removal, the facility is no longer needed. An inspection of the sumps and purgewater systems that may have been radioactive determined the systems were fairly clean. The bays in the CVDF were never used, and can now be used for storage of the annex materials and equipment and possibly the installation of a machine shop.

D4 - DOE-RL stated that while the project is in a stand-down mode due to lack of funding, a review of procedures and organization is being done to ensure when work is restarted the organization is ready to go.

100K Waste Site Remediation - DOE-RL stated that the funding generated for the borehole sampling at UPR-100-K-1 was taken away to pay for sequestration. DOE-RL noted that although the sampling has been delayed, it is still on the integrated priority list if funding becomes available. DOE-RL indicated that the sampling may be part of the CERCLA decisions to be made in the Central Plateau. EPA stated that until the sampling data is available, the K Area decision-making cannot move forward.

Milestone Status - DOE-RL noted the milestones that are either in renegotiation or at risk. Milestone M-016-00C was reported as on schedule.

Project Baseline Performance - DOE-RL pointed out that the PMB does not include sequestration impacts in March 2013. RL-41 reflects minimal work, other than completion of M-16-53. RL-12 is on budget, with schedule slips due to the annex construction.

Planned Activities Next Six Months:

105KE Reactor ISS - DOE-RL stated that there are some conflicts with the DSA on the north side of the basin, which was under a different facility hazard categorization (FHC) document. The contractor is in the process of ensuring the FHCs are uniform and then move out of the DSA. DOE-RL stated that it has approved the contractor's procedure for interim surveillances. The exterior surveillances will be conducted on an annual basis. Once the FHC is fully implemented, interior surveillances will be conducted.

M-36 Lifecycle Report

DOE-RL provided an update on the Lifecycle report. The FY13 Lifecycle report was submitted by the due date of January 31, 2013. A fact sheet was also issued. The Lifecycle report and fact sheet are available online at the Hanford.gov website.

PFP Closure Project - TPA Milestone M-083

Quarterly Milestone Summary (January - March 2013) - DOE-RL reported that milestone M-083-00A is now being reported as in jeopardy to complete the slab-on-grade by September 30, 2016. DOE-RL discussed the sequestration impacts (federal budget cuts) at PFP. There were 12 teams operating in PFP, and those teams were reduced down to eight. DOE-RL stated that the eight teams were formulated based on the strengths of the remaining work force. Overall the reductions due to sequestration included 59 craft, six professional workers, and ten exempt vacancies were eliminated. The initial furlough time established by CHPRC was 200 hours per year per person, but it has been reduced to 160 hours per person. DOE-RL cited a positive note that after the bump and roll was completed, there were only five workers bumped into PFP, which significantly reduced

the impact to the teams. The amount of time to train a new worker on a team averages six to nine months. Initially a two-week period of training was planned at PFP, and that was reduced to one week, which was completed in early April 2013.

DOE-RL stated that there are three RMA/RMC glovebox teams, with two in the duct level and one on chemical mitigation, and there are also process line teams. EPA asked about the size and composition of each team. DOE-RL responded that the RMA/RMC teams are comprised of six to seven workers with three RCTs on each team. Each team has a D&D manager assigned to them as well as a project manager. DOE-RL added that there is also a characterization team on the back-side rooms, a team on the pencil tanks, and there is also the maintenance crew. EPA requested that DOE-RL send an email providing the composition of the teams at PFP. DOE-RL agreed to send out an email of the PFP team chart. DOE-RL indicated that the rule of thumb for a team is about 12 people and approximately two to three million dollars per team, although the numbers can vary.

DOE-RL referred to the value engineering (VE) study that was conducted last year, and stated that a VE study is under way this week and will be concluded next week. DOE-RL stated that the deputy project manager for PFP is focused on meeting the September 2016 milestone, although discussions during the VE study also centered on getting to slab-on-grade by 2014. DOE-RL noted that one of the most significant concepts discussed during the VE study was that a lack of progress is being driven by incentivizing the wrong thing. DOE-RL cited an example of building scaffolding to gain access to a segment of pipe, then having to take down the scaffolding, move it, and reassemble it to start on another segment of pipe. The VE study will focus on how to change the D4 strategy for getting to slab-on-grade. One of the potential changes to the current strategy being evaluated is to go to an area approach and identify those key areas that need to be targeted as the highest priority. Another idea being evaluated is whether running 24/7 operations is necessary and what the cost savings would be.

DOE-RL cited another key concept that could make a difference is changing to the culture that PFP is a closure project; i.e., the building is being removed and all of the personnel will move out of 234-5Z. DOE-RL pointed out that there are continuous criticality air monitors throughout the entire facility, including areas that have been significantly cleaned out and are demo ready, and reducing some of that coverage is being evaluated. DOE-RL added that reducing the air monitoring would tie in with the concept of reevaluating the Documented Safety Analysis (DSA) and the technical safety requirements (TSR) in the facility to ensure that the evaluation is a bounding-level analysis.

DOE-RL stated that another idea under consideration in the VE study is focusing on higher gram gloveboxes. Currently the limit is 400 grams to remove a glovebox from the facility. One proposal is to foam the interior of the glovebox after it has been cleaned out and wiped down. The concept of foaming is to immobilize the contamination and the potential for it to disperse within the glovebox, and then the glovebox could be cut up and removed. DOE-RL noted that removal of the remaining gloveboxes pose a significant

challenge. DOE-RL indicated that modifications to the approach to 242-Z are also being considered. DOE-RL stated that an outbrief of the VE will be provided when it is concluded. EPA stated that getting workforce buy-in to the closure concept and communicating to the workforce about what the next scope of work will be is very important. DOE-RL agreed with EPA's statement.

Accomplishments - 2nd Quarter - DOE-RL stated that there were two glovebox equivalent items (e.g. hoods) that were in a ready-to-be-removed" condition but there were asbestos issues associated with hoods 1 and 2 in room 159 because of the way they were tied to the flooring. The hoods have been immobilized and will be removed closer to the time of getting out of the rooms and going cold and dark. DOE-RL noted that removal of gloveboxes does not mean they are completely out of the facility. EPA offered the services of the Region 10 asbestos expert to DOE-RL to assist with any problematic issues. DOE-RL reported on the status of the PRF canyon crane repair. The motor shaft stub has been fabricated, and it will be installed and tested. DOE-RL noted that Newport News crane experts conducted a crane evaluation and issued a report with recommendations. CHPRC management is evaluating the recommendations in the report and will be making decisions on implementing those recommendations. DOE-RL will provide Ecology and EPA and the Oregon Department of Energy (ODOE) a copy of the Newport News report when it is cleared for release. DOE-RL noted that the VE study will consider options to completing the pencil tanks in PRF without using the existing crane.

DOE-RL reported that there has been an ongoing assessment of the chemical drain lines, and a schedule date for completing the chemical mitigation assessment is expected this month. DOE-RL explained that CHPRC is doing a comparison of the current assessment of the chemical lines against the previous contractor's similar but not identical scope of work, which was limited and did not include the whole facility.

Project Baseline Performance - DOE-RL reported that the month-to-month schedule performance in PFP is not doing well and is continually getting worse, due to issues such as the crane repairs and contamination events. DOE-RL noted that the VE study recognizes the issues and will focus on changing the D4 strategy at PFP in an effort to reverse the current schedule trend.

Issues/Challenges - DOE-RL reported that the pillow blocks and the bearings have been replaced in exhaust fan No. 4, and work is under way to finish the work on exhaust fan No. 5. DOE-RL noted that exhaust fan No. 1 will never get restored. The VE study is evaluating whether the facility can go down to three fans as the operating standard. EPA asked if one of the teams could be assigned to the Z-361 sludge when PFP is getting closer to completion. EPA noted that the sludge is under a different project. DOE-RL responded that the concept is being considered since the demolition resources would already be in place. DOE-RL added that the team will also consider the characterization needs for the below-grade 200 West Area Record of Decision (ROD) for the 200 West Area Operable Unit (200-WA-1). The goal being to ensure the characterization information is carefully documented and the data is available when the 200-WA-1 Data

Quality Objective (DQO) team is initiated.

DOE-RL stated that the regulatory and non-regulatory issues remain the same, with the exception of meeting the slab-on-grade milestone due date. DOE-RL noted that the update to the performance measurement baseline (PMB) will capture some of the knowledge gained about true durations of glovebox removal and pencil tank work. DOE-RL indicated that more realistic estimates will make the updated PMB a more useful tool.

Planned Activities Next 3 Months - DOE-RL stated that CHPRC has requested an extension for replacement in filter room No. 309, and that the project team, which includes representatives from RL's safety organization is reviewing the request. DOE-RL noted that there is a DOE ten-year requirement to replace HEPA filters, and they are backup systems that have minimal stress. An extension process will be reviewed in an effort to avoid the significant cost of replacement. DOE-RL indicated that it is planning to approach EPA and Ecology about considering similar types of offsets in future efficiency initiatives without compromising safety. DOE-RL stated that work is planned to restart in PRF within two weeks on the pencil tanks. DOE-RL pointed out that when work is under way and the cranes are operating in PRF, the team has proven to be very efficient.

M-091/M-026/M-016 TPA Quarterly Milestone Review

Accomplishments - January - March 2013:

M-026-7C - Ecology referred to the annual Tritium Treatment Technology Development report, noting that next year's report will be the five-year overall report, and requested more detail in the upcoming five-year report. DOE-RL took an action to schedule a meeting with Ecology and EPA to discuss the five-year Tritium Treatment Technology Development report.

Milestone Status:

M-026-01 - Land Disposal Restrictions Report (LDR) - DOE-RL reported that the annual LDR report was provided to Ecology today, and EPA will also be provided a copy today.

M-091-03 - DOE-RL stated that the Project Management Plan (PMP) is on schedule to be submitted to Ecology by or before the June 30, 2013 due date. Ecology initiated a discussion regarding past efforts to consolidate M-016-93 with M-091-03. Ecology pointed out that it considers the effort to consolidate is an efficiency, and it makes no sense to have two separate milestones for the same scope of work. Ecology stated its intent to proceed with the milestone change unless DOE-RL expresses a clear reason for not consolidating the two milestones. DOE-RL responded that M-016-93 has been fulfilled with the submittal of last year's report, and the scope of work from M-016-93 is being incorporated into milestone M-091-03 via the 2013 PMP. EPA expressed the intent to never do another M-016 type of milestone that duplicates the same scope of work, and DOE-RL agreed.

Ecology noted that DOE-RL will be providing Ecology with closure plans in the August 2013 time frame, and schedules for closure plans will be negotiated after that submittal. Ecology expressed the importance of having a detailed PMP as the basis for the negotiations, and indicated that the PMP is compliant, but there is not enough detail to aid in negotiating closure schedules. Ecology stated that a more detailed look at DOE-RL's lifecycle projection for transuranic (TRU) waste will be needed, and that budget numbers by year are not adequate. Ecology stated its expectation that DOE-RL will provide more detail when the closure schedules are being negotiated. DOE-RL acknowledged Ecology's expectation.

M-091-40/41/42/46 - DOE-RL noted that no progress has been made regarding retrieval, mixed low-level waste treatment, or TRU waste certification.

Project Baseline Performance - DOE-RL stated that most of the cost variances reflect operations from two years ago, and currently the cost and schedule variances are a reflection of maintaining the buildings.

Central Plateau Remediation Project - M-016-00, M-085-00

Accomplishments 2nd Quarter 2013 - DOE-RL stated that the Central Plateau Remediation Project is in surveillance and maintenance (S&M) mode. DOE-RL noted that $12 million was received this year to conduct S&M on all the major facilities and all of the WIDS sites.

Project Baseline Performance - DOE-RL noted that the contract-to-date cost does not reflect the $12 million received for S&M.

Planned Activities Next 6 Months - EPA asked if work on the asbestos steam lines will be an FY14 activity. DOE-RL responded that a proposal will be made next week requesting management reserves to address 400 to 1,000 feet of steam lines this year. Budget guidance for FY14 will propose funding on an as-available basis to continue work on the steam lines and addressing the steam lines in the order of the highest risk to the environment. DOE-RL indicated that the potential for receipt of manager's reserve this year for the steam lines is low. DOE-RL added that removing the asbestos steam lines is considered an important activity, and the intent is to pursue removal and to not continue doing maintenance. EPA stated that a walk-down of a portion of the steam line was conducted yesterday, and there is asbestos exposed to the environment that needs addressing.

Soil and Groundwater Remediation Project Milestone Review - M-015-00, M-016-00, M-024-00, M-037-00, M-085-00

Accomplishments - 2nd Quarter 2013 - DOE-RL stated that funding scenarios are being run, including transitioning into surveillance and maintenance (S&M) mode and shutting down pump and treat systems or monitoring systems. DOE-RL reported that earlier

today funding was authorized for the 100-B/C well drilling activity. The B/C well drilling was originally authorized, but it was cut off due to the recent sequestration (federal budget cuts). A new contract change order is being created and should be in the contract by close of business tomorrow (4/19/13).

200 West Area Groundwater Treatment Facility - DOE-RL stated that the pump and treat throughput registered at 1,900 gallons per minute (gpm) for a single day at 200 West. The goal is to have 1,900 gpm average over a 60-day period by the end of FY13, which would represent full capacity. The increase of about 500 gallons (from 1,400 to 1,900 average) is planned for use in UP-1 activity when funding is available.

Ecology asked if the two wells at the 200 West Treatment Facility will be funded. DOE-RL suggested establishing milestones during the upcoming TPA milestone negotiations if the regulators believe the wells are a priority. DOE-RL pointed out that when compliance budgets are submitted, DOE Headquarters' executive order interpretation is that running pump and treat systems is not compliance because there is no milestone each year. DOE-RL added that conducting monitoring next year will not be considered compliance because there is no milestone. EPA stated that its No. 1 priority is to get the groundwater systems in place, and agreed that established milestones are needed to drive the work. EPA added that PFP is its second priority, followed by treating chrome in the vadose zone. DOE-RL stated that new milestones could be established, but other milestones will need to be deferred. Ecology noted that the treatability studies that are part of milestones provide for additional wells. Ecology suggested establishing a groundwater monitoring report milestone.

200-DV-1 - B Area Perched Water Extraction System - DOE-RL stated that although not a lot of perched water is currently being pumped, there is the capability to pump more water. The perched water is a result of an unplanned release at 241-BX-102. It has been estimated that over 1,000 kilograms of uranium will migrate down to the perched water and then into the aquifer. The perched water is nine feet above the aquifer. DOE-RL stated that during the last year, at 2,000 gallons per week, 40 pounds of uranium was removed. DOE-RL noted that the extraction system was shut off temporarily earlier in the year, but it was restarted.

EPA suggested completing the Engineering Evaluation and Cost Analysis (EE/CA) action memo to allow the uranium to be sent to ERDF. DOE-RL responded that it had been informed that the EE/CA action memo could not be used as the mechanism for sending the uranium to ERDF. EPA indicated it is likely that an ERDF Record of Decision (ROD) amendment will be done this year. DOE-RL noted that the EPA lead had indicated that the ROD states "or other authorized location for treatment." Ecology asked if all the contaminants from the groundwater treatment and the perched water are sent to ERDF. DOE-RL responded that all of it is sent to ERDF, with the exception of the granulated activated carbon tetrachloride, which comes from the backup system. DOE-RL noted that the biodigesters have been very effective in removing carbon tetrachloride.

DOE-RL referred to the soil vapor extraction (SVE) system, which has removed 80 metric tons of carbon tetrachloride versus the 12 metric tons that has been removed by the pump and treat systems, and noted that the SVE system is less expensive to run than the pump and treat. EPA noted that DOE-RL is working on a study to show that SVE reports are no longer needed, and expressed doubt that DOE-RL could prove its case.

River Corridor and Central Plateau Groundwater - DOE-RL referred to the 2015 vision priorities that may be impacted due to budget constraints, and suggested that the Tri-Parties take the opportunity to evaluate the work scope that is not driven by milestones to ensure that work meets priorities. EPA noted one disconnect was it assumed that getting all of the groundwater protection systems in place was part of the 2015 vision; however, DOE-RL was not putting the funding in place for those systems. DOE-RL responded that even though it became clear about a year ago that everything could not be funded, that did not mean those activities were not part of the 2015 vision. DOE-RL added that at the genesis of the 2015 vision, the River Corridor systems as currently constructed were the expectation of the 2015 vision. EPA agreed with DOE-RL's statement. DOE-RL stated that a brief has been prepared that outlines all of the groundwater work to be completed in the River Corridor and what the cost would be by area and by year. DOE-RL indicated that the brief is not ready to be released, but it would aid in identifying priorities for groundwater if there aren't enough resources.

Sampling - DOE-RL referred to Ecology's interest in streamlining and consolidating sampling and analysis plans (SAPs) and streamlining the monitoring program, and stated that meetings will be scheduled with Ecology and EPA to begin those discussions.

Milestone Summary - DOE-RL referred to proposed milestone P-015-76, due September 30, 2013, and stated that if the work is initiated this week it will be a challenge to meet the 9/30/13 date. DOE-RL noted that if the wells are completed by November 30, 2013, which is the proposed milestone due date for P-015-77, that milestone represents the date when the well monitoring has to start. DOE-RL added that all the well monitoring planned in the RI/FS schedule is based on the 11/30/13 date, and if the 9/30/13 date is missed, there won't be an impact unless the 11/30/13 date is not met. CHPRC responded that an adjustment has been made to the change package to move the date to 11/30/13. EPA suggested including a comment in the summary to the response to comments document to provide clarity for the public that the P-015-76 milestone is being moved out two months.

Ecology asked if the feasibility study and proposed plan for 100-NR-1/2 (M-015-62-TO1) will be submitted by June 30, 2013. DOE-RL responded that the proposed plan will be submitted on time. Ecology asked if a new milestone is not being proposed for M-015-62-TO1. DOE-RL stated that a new milestone is not being proposed. Ecology referred to P-015-75 for 100-NR-1 and NR-2 and the status of proposed new milestone, and asked for clarification. DOE-RL explained that the change in date for M-015-62-TO1 was part of the milestone change package that went out for public comment, and P-015-75 is the proposed new milestone that is in the current change package.

200-WA-1 - EPA initiated a discussion regarding the 200-WA-1 work plan that has not been completed. DOE-RL responded that contractor support was needed to complete the work plan, and funding constraints followed by sequestration impacts put a hold on the work. EPA requested that DOE-RL provide information on the resources needed to get contractor support when the parties meet to discuss the 200-WA-1 work plan. DOE-RL proposed that the parties create a type of policy document to aid in addressing potential policy issues before drafting Central Plateau documents. Ecology stated that approximately seven years ago, EPA provided DOE-RL all of its positions regarding policy issues, and Ecology was in agreement with EPA. EPA noted that the only major issue it was aware of between EPA/Ecology and DOE-RL is the eco depth that the regulators set. EPA added that DOE-RL will need to characterize the waste sites in question, and if not, DOE-RL will not be authorized to proceed with cleanup. DOE-RL agreed to schedule a meeting to regenerate the discussions that EPA and Ecology held seven years ago, and to discuss the major policy issues. DOE-RL will provide information on resources needed to complete the 200-WA-1 work plan.

Planned Activities Next 6 Months:

100 F/IU Area RI/FS and PP - EPA stated that it is not in the paper-pushing mode, and the goal is to implement characterization work and groundwater remediation. DOE-RL noted that partially completed documents have a shelf life of about a year or less, and when new staff start a review of a partially completed RI/FS, the Data Quality Objective (DQO) process is done to initiate characterization activities and the work plans need to be rewritten. EPA expressed frustration with DOE-RL revising a document several times, and challenged DOE-RL to deliver a quality product in reference to the 100-F RI/FS and proposed plan. DOE-RL responded that quality issues have been addressed with the contractor, and requested that EPA provide examples if it still believes there are issues. DOE-RL expressed the goal to scope the work plan up front in an effort to avoid going through three or four iterations.

Tri-Party Agreement

Thursday, April 18, 2013

Ecology Offices, Conference Room 3A/B
3100 Port of Benton Blvd
Richland, Washington

Agenda

River Corridor/Central Plateau Milestone Review Meeting

Chairperson: Dennis Faulk

Time	Milestones	Subject	DOE Presenter
8:30 a.m.	M-16, 89, 93 and 94	River Corridor Closure	Mark French
8:50 a.m.	M-16 and 93	100 K Soil Remediation, D4, ISS & Sludge Treatment	Tom Teynor
9:05 a.m.	M-36	Hanford Lifecycle Scope, Schedule and Cost Report	Stephen Korenkiewicz
9:10 a.m.	M-83	PFP Closure	Bryan Foley
9:30 a.m.	M-16, 26 and 91	Solid Waste Stabilization and Disposition	Mike Collins
9:40 a.m.	M-16 and 85	Central Plateau Remediation	Al Farabee
9:45 a.m.	M-15, 16, 24, 37 and 85	Soil and Groundwater Remediation	Briant Charboneau
10:05 a.m.	Adjourn Milestone Review		

Tri-Party Agreement River Corridor/Central Plateau Milestone Review
April 18, 2013

Name	Organization
Melinda J Brown	Ecology NWP
Reed Kaldor	MSA
Gordon Dover	WCH
Jeb Blackburn	WCH
Regena Williamson	WCH
Kathy Conaway	Ecology
KEN MOTER	MSA
KIM WELSCH	ECY
Tom Teyner	DOE-RL
Bryan Foley	DOE-RL
AL Farabee	"
Michael Collins	DOE-RL
Lorna Dittmer	CHPRC
Rick Bond	Ecology
Brient Christensen	DOE
Deborah Singleton	Ecology

Tri-Party Agreement River Corridor/Central Plateau Milestone Review
April 18, 2013

Name	Organization
Rob Piper	MSA
Mark French	RL
John Price	ECY
Nina Menard	ECY
Donna Yasek	WCH
Cheryl Whalen	Ecology
Sidney Cimino	ODOE
Dennis Faulk	EPA
Rod Lobos	EPA
Terry Noland	MSA
JD Dowell	DOE
Kathy Knox	Knox Court Reporting

RIVER CORRIDOR CLOSURE PROJECT

DOE's Largest Environmental Cleanup Closure Project

TPA Quarterly Review

For Period: January - March 2013

River Corridor Milestones:

M-16 M-89 M-92 M-94

Tri-Party Agreement

U.S. Department of Energy
U.S. Environmental Protection Agency
Washington State Department of Ecology

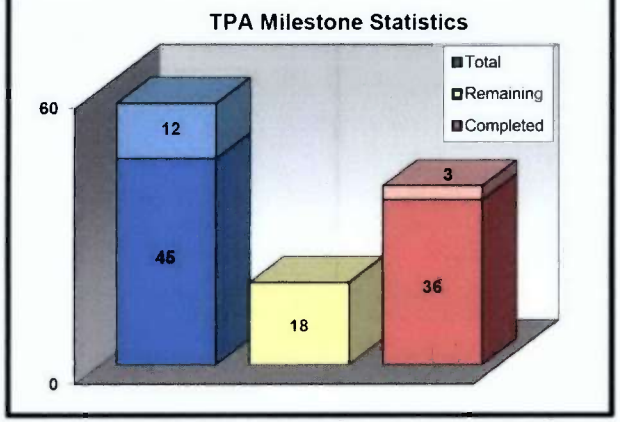
April 18, 2013

Protecting the Columbia River

E 301026_1

TPA Milestone Statistics
(Includes Proposed / Target / Commitment Milestones)

Total	Remaining	Completed	Completed On	Completed Ahead
57	18	39	5	34



Total Milestones
45 Approved
12 Proposed

Completed Milestones
36 Approved
3 Proposed

Quarterly Summary (January – March 2013)

- **Completed TPA Milestones:**
  - -- P-16-158 – Complete Interim Response Actions for Three 100-D and Four 100-H Area Sites (due 3/31/13) – 1/3/13
  - -- M-16-139 – Complete Revegetation of 300-FF-2 Waste Sites Governed by M-16-62, M-16-64, and M-16-74 (due 3/31/13) – 2/13/13
  - -- P-16-55 – Complete Interim Response Actions of 24 Waste Sites and Complete 100-N Area Ancillary Facility Removal Actions for 53 Facilities (due 3/31/13) – 3/26/13
  - -- P-16-148 – Complete Interim Response Actions for 8 100-IU-2/6 Sites (due 3/31/13) – 3/19/13
- **Proposed Change Requests:**
  - -- M-16-12-06 proposes to add new milestones to track continued progress of 100 Area interim remedial actions. The request also proposes new completion dates for site/facility closures that are forecasted to extend beyond the December 31, 2012 milestones (M-16-00A, M-16-55, and M-16-145).
  - -- M-89-12-02 proposes to add a new interim and target milestones and revised completion date for M-89-00.
  - -- M-94-12-04 proposes to add a new interim milestone, and revise description and completion date for M-94-00.

TPA MS No.	Compliance Date	Title	Status	Comments
M-16 Milestones - Remedial Action (milestones through 12/31/2014)				
P-16-55	03/31/13	Complete Interim Response Actions of Following Waste Sites: 100-N-1, 100-N-3, 100-N-4, 100-N-5, 100-N-13, 100-N-14, 100-N-17, 100-N-18, 100-N-33, 100-N-34, 100-N-45, 100-N-46, 100-N-47, 100-N-50, 100-N-51A, 100-N-51B, 116-N-1, 116-N-3, 120-N-1, 120-N-2, 124-N-4, 600-35, UPR-100-N-11, UPR-100-N-37. Complete 100-N Area Ancillary Facility Removal Actions for Following Facilities: 13N, 105NA, 116N, 117N, 117NVH, 119N, 119NA, 163N, 181N, 181NA, 181NB, 181NE, 184N, 184NA, 184NB, 184NF, 185N, 1300N, 1304N, 1310N, 1312N, 1313N, 1314N, 1315N, 1316N, 1316NA, 1316NB, 1316NC, 1322N, 1322NA. 1322NB, 1322NC, 1327N, 1605NE, 1701NE, 1703N, 1712N, 1714NB, 1716NE, 1722N, 1802N, 105N & 107N Pipe Trench, 105NE, 107N, 108N, 166N, 182N, 1303N, 1715N,1900N, 1908N, and 1908NE.	Complete	Milestone completed 3/26/13.
M-16-139	03/31/13	Complete Revegetation of 300-FF-2 Waste Sites Governed by M-16-62, M-16-64, M-16-74	Complete	Revegetation completed 2/13/13.
P-16-148	03/31/13	Complete Interim Response Actions for Following 100-IU-2/6 Sites: 600-306, 600-307, 600-308, 600-311, 600-312, 600-314, 600-324, 600-325	Complete	Milestone completed 3/19/13.
P-16-158	03/31/13	Complete Interim Response Actions for Following 100-D and 100-H Area Sites: 100-D-8, 118-D-2, 118-D-3, 116-H-5, 126-H-2, 128-H-1, 132-H-3. (Revegetation of 118-D-2, 118-D-3, and 132-H-3 will be deferred to M-16-161 to support remaining waste site remediation activities.)	Complete	Milestone completed 1/3/13.
M-16-75	09/30/13	Initiate Substantial and Continuous Remediation on 309 Facility Dedicated Radioactive Liquid Waste Sewer (300 RLWS) and 300 Area Process Sewer (300-15) Systems	On schedule	309 reactor core removal has been impeded by structural issues with one of the reactor shielding walls.

TPA MS No.	Compliance Date	Title	Status	Comments
M-16 Milestones - Remedial Action (cont'd) (milestones through 12/31/2014)				
P-16-145	03/31/14	Complete 100-K Area Interim Response Actions for Following Sites: 128-K-2, 100-K-78, 600-29, 100-K-84, 100-K-86, 100-K-89, 100-K-92, 100-K-87, 100-K-91, 100-K-93, 100-K-95, 100-K-111 and 118-K-1	At Risk	Cultural issues have recently put this milestone at risk.
P-16-146	03/31/14	Complete 100-B/C Area Interim Response Actions at 100-C-7 and 100-C-7:1 Waste Sites	On schedule	
M-89 Milestone - 324 Bldg Non-Permitted MW Units Closure				
P-89-06-T01	09/30/14	Submit 30% Design of Closure of Mixed Waste Units in 324 Bldg REC B-Cell, REC D-Cell, and High Level Vault and Low Level Vault That Includes a Schedule to Complete the Design	On schedule	
M-92 Milestone - 300 Area Special Case Waste				
M-92-16	09/30/15	Complete Removal and Transfer, and Initiate Storage of Phase III 300 Area Special Case Waste and Materials	Ahead of schedule	
M-94 Milestones - 300 Area Surplus Facilities Disposition				
M-94-09	09/30/13	Complete Removal and/or RA for 13 of Following Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 326, 327, 329, 333, 340, 340B, 3706, and 3720; to include 323 Facility	On schedule	

Significant Accomplishments – For Last 3 Months:

M-16 – Remedial Action / Risk Assessment

- Completed backfill and revegetation campaign for 100-C-7; continued backfill at 100-C-7:1.
- Started super dump truck loadout campaign for 100-D/H Areas.
- Began remediation/sampling activities for new 100-IU-2/6 and Segment 4 waste sites.
- Continued remediation activities at 100-N Area.
- Completed backfill/revegetation activities north of Apple Street in 300 Area.
- Completed closeout/verification sampling of 323 Tanks 1-4.
- Authorized limited hazardous waste work at 618-10 Burial Ground.
- Received approval of 19 waste site closure documents during this reporting period.
- Completed 100-FR-1 OU Interim Remedial Action Report.

100-C-7 and 100-C-7:1 Aerial

M-89 – 324 Bldg Non-Permitted MW Units Closure

- Continued infrastructure evaluations to maintain minimum safe operations of the 324 Complex.

M-94 – 300 Area Surplus Facilities Disposition

- Completed below-grade demolition/loadout of 308A Fuels Development Laboratory Annex.
- Completed loadout of 329 Chemical Sciences Laboratory.
- Completed below-grade demolition/loadout of 337B High Temperature Sodium Facility.
- Completed above-grade demolition/loadout of 3730 Gamma Irradiation Facility.

Completion of 3730 Above-Grade Demolition

Significant Accomplishments – For Last 3 Months (cont'd):

ERDF

- For period January-March, disposed ~ 254,000 tons of waste; bringing total to ~ 14.7 million tons disposed in ERDF.
- Completed interim cover for Cells 5-6.
- Resumed macroencapulation waste treatment outside of ERDF cells.
- Coordinating ERDF performance assessment with Tank Closure and Waste Management Environmental Impact Statement. DOE Low-Level Waste Disposal Facility Federal Review Group (LFRG) review began in March 2013.

Macroencapsulating in an Inventory Control Area Near the ERDF Batch Plant

Significant Actions Planned – For Next 3 Months:

M-16 – Remedial Action / Risk Assessment

- Complete loadout for 100-C-7:1.
- Continue excavation/loadout of sites at 100-N Area.
- Complete method evaluations for characterization of 618-10 vertical piping units for radiological determination.

M-89 – 324 Bldg Non-Permitted Mixed Waste Units Closure

- Maintain min-safe conditions until path forward is determined for remediation of 300-296 waste site under B-Cell.

M-94 – 300 Area Surplus Facilities Disposition

- Complete removal of 3730 small hot cell.
- Continue preparation for removal of 340 Vault and transport to ERDF.
- Complete deactivation of 326 Material Sciences Laboratory.

ERDF

- Receive and treat B Reactor lead-contaminated sediment.

PERFORMANCE SUMMARY

Contract Inception (8/27/05) through March 2013

($K)

	IPB		CUMULATIVE			Previous Quarter Comparison			
						SCHEDULE VAR ($)		COST VAR ($)	
	BAC	EAC	BCWS	BCWP	ACWP	*Dec*	Mar	*Dec*	Mar
D4	612,246	548,233	583,260	566,943	459,622	*-5,419*	-16,317	*110,902*	107,322
Reactor ISS	75,883	82,255	75,707	74,745	81,601	*-958*	-961	*-5,982*	-6,856
Field Remediation	805,482	892,366	656,364	643,576	598,590	*-10,568*	-12,788	*50,396*	44,986
Waste Operations	592,700	468,265	442,283	501,981	389,622	*64,102*	59,698	*107,380*	112,359
ESFC	75,352	62,849	71,192	67,963	54,736	*-2,783*	-3,228	*10,912*	13,228
Mission/General Support	361,544	366,302	335,294	335,294	291,335	*0*	0	*48,729*	43,959
Transition	3,979	3,747	3,979	3,979	3,747	*0*	0	*232*	232
Contingency	0	0							
TARGET COST TOTAL	**2,527,187**	**2,424,017**	**2,168,078**	**2,194,482**	**1,879,253**	***44,374***	**26,404**	***322,568***	**315,229**

Schedule Variance (PMB): $26,404K

- ERDF transportation, treatment, and disposal support to accelerated work in FR and D4 Projects.
- Variance associated with remediation delays at 100-D, 100-N, remaining waste sites around 309 building, and 324 building due to 300-296 waste site beneath the building.

Cost Variance (PMB): $315,229K

- Significant underruns experienced in 300 Area building characterization, deactivation, and demolition activities.
- 100-B/C, 100-D, 100-F, and 100-IU-2/6 remediation underruns. Partially offset by project support costs at all active dig sites.
- Costs have been less than planned due to Waste Operations efficiencies achieved in waste treatment, transportation, and construction.

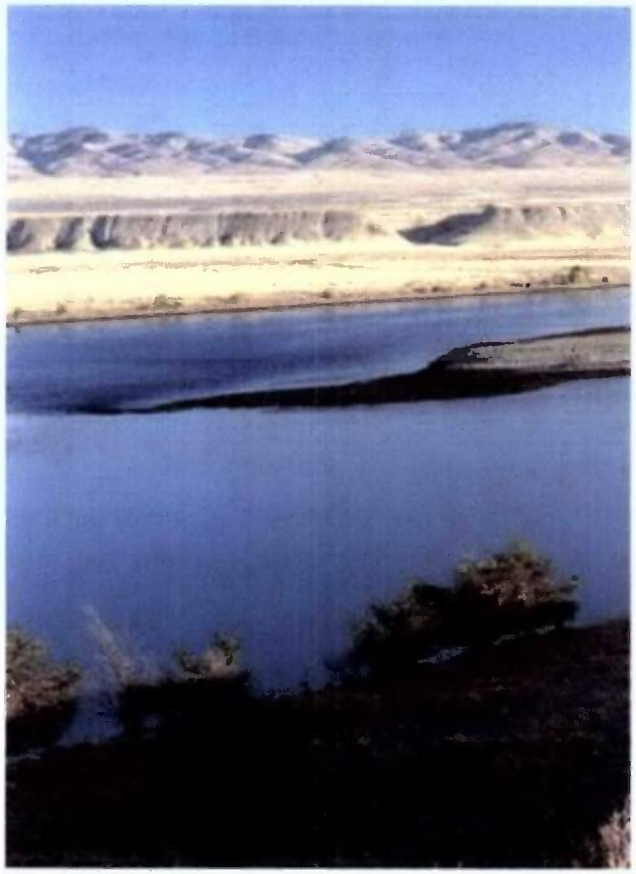
RCC Issues

300 Area

- **Issue**: While installing the last two shoring caissons under the 340 vault, unexpected soil contamination was encountered under the vault. Initial indications show that the vault leaked during operations at or near the sump location.

  Status: Work on the casing has been suspended pending ongoing radiological engineering and nuclear safety evaluations. Initial soil samples were collected, and dose profiles were performed to determine the nature of the contamination. Other vault preparation activities are continuing, and additional soil samples will be collected to better define the nature and extent of the release. No loss of contamination control occurred, and the area is secure.

CH2MHILL
Plateau Remediation Company



100K Soil Remediation, D4, ISS, & Sludge Treatment Project

TPA Milestone Series: M-016 and M-093

U.S. Department of Energy
U.S. Environmental Protection Agency
State of Washington, Department of Ecology

Second Quarter FY2013
April 18, 2013

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL
Plateau Remediation Company

Accomplishments – 2nd Quarter 2013

Sludge Treatment Project Phase 1- Removal of Containerized Sludge

- **Complete Final Design of Sludge Retrieval & Transfer System (*M-016-174, due 9/30/13*)**
  - *Initiated resolution of comments from the formal design review of the ECRTS final design.*
  - *Initiated resolution of DOE comments from the in-process review of the ECRTS Preliminary Documented Safety Analysis (PDSA).*
  - *Continued preparation for the Integrated Process Optimization Demonstration (IPOD) of the ECRTS process system at the Maintenance and Storage Facility (MASF).*

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Accomplishments – 2nd Quarter 2013

Sludge Treatment Project Phase 1- Removal of Containerized Sludge (cont.)

- **Begin Sludge Removal from 105-KW Fuel Storage Basin** ***(M-016-175, due 9/30/14)***
  - *A stand-down on quality-affecting work was initiated by the Annex construction contractor on December 4, 2012. Work restarted the week of January 7, 2013 and was released in a phased approach as validations of contractor corrective actions were completed.*
  - *Construction work on the 105-KW Annex was suspended 03/05/13 due to sequestration funding reductions. Planning for restart of construction in FY 2014 has begun.*
  - *Cold Vacuum Drying Facility (CVDF) has been downgraded from a Hazard Category 2 Facility to a Less Than Hazard Category 3 Facility.*

Accomplishments – 2nd Quarter 2013

D4

Developed D4 Project Procedures:

- Initiation and Execution
- Review Board Charter
- Management Plan

100K Waste Site Remediation

Completed DQO and Sampling Instruction for characterization of UPR-100-K-1 waste site vadose zone

105-KE Aerial View

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Milestone Status

TPA Number	Due Date	Description	Status
M-016-174	09/30/13	Complete Final Design of Sludge Retrieval and Transfer System	On Schedule
M-093-22	07/31/14	Complete 105KE Reactor Interim Safe Storage in Accordance with Remedial Design/Remedial Action Work Plan	In Renegotiation
M-016-175	09/30/14	Begin Sludge Removal from 105-KW Fuel Storage Basin	At Risk
M-016-173	03/31/15	Select K Basin Sludge Treatment and Packaging Technology and Propose New Interim Sludge Treatment and Packaging Milestones	At Risk
M-016-143	12/31/15	Complete the Interim Response Actions for the 100 K Area Within the Perimeter Boundary and to the River for Phase 2 Actions	At Risk
M-016-176	12/31/15	Complete Sludge Removal from 105-KW Fuel Storage Basin	At Risk
M-016-178	12/31/15	Initiate Deactivation for 105-KW Fuel Storage Basin	At Risk
M-093-26	12/31/15	Initiate 105-KW Reactor Interim Safe Storage	In Renegotiation
M-016-181	09/30/19	Complete Deactivation, Demolition and Removal of 105-KW Fuel Storage Basin	At Risk
M-016-186	12/31/19	Initiate Soil Remediation Under 105-KW Fuel Storage Basin	At Risk
M-093-27	12/31/19	Complete 105-KW Reactor Interim Safe Storage	In Renegotiation
M-016-00C	12/31/20	Complete All Response Actions in the 100 K Area	On Schedule

Project Baseline Performance

Contract to date through March 2013

RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Cost Variance ($)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)	SPI	CPI
ARRA RL-0041 Capital Asset	179.7	179.7	181.3	0.0	-1.6	179.8	181.3	-1.6	1.00	0.99
Base	118.4	118.4	96.8	0.0	21.6	287.7	268.2	19.5	1.00	1.22
Total	**298.1**	**298.1**	**278.1**	**0.0**	**20.0**	**467.5**	**449.5**	**17.9**	**1.00**	**1.07**

RL-0012 Spent Nuclear Fuel Stabilization and Disposal	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Cost Variance ($)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)	SPI	CPI
Base Total	364.7	355.1	356.3	-9.7	-1.2	606.5	633.1	-26.5	0.97	1.00

Numbers are rounded to the nearest $0.1M.

Sequestration impacts are not included in this performance report.

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Planned Activities

Next 6 months

D4

- *Issue D4 Project Initiation and Execution Procedure*
- *Issue D4 Project Review Board Charter*
- *Issue D4 Project Management Plan*

105KE Reactor Interim Safe Storage

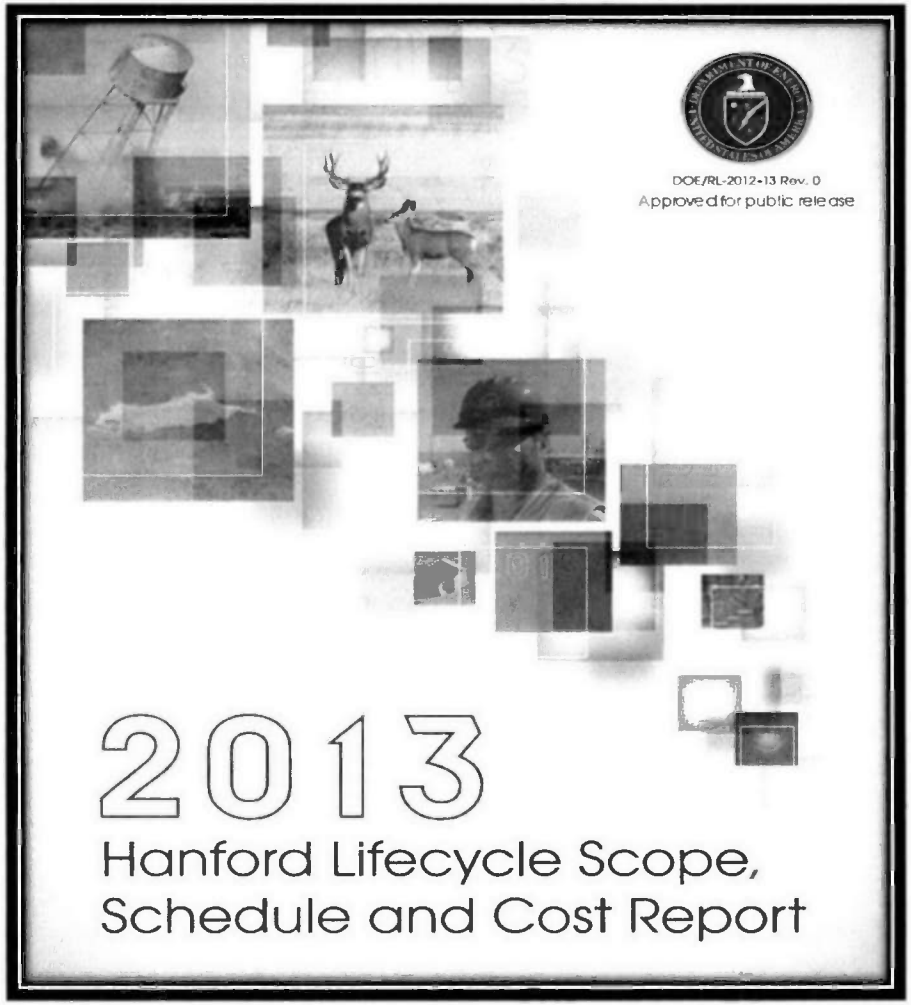
- *Implement the FHC*
- *Perform exterior surveillances of the reactor building*

Planned Activities

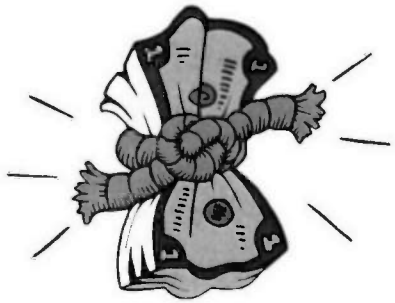
Next 6 months

Sludge Treatment Project

- **KW Fuel Storage Basin Modified Annex Construction**
  - *Complete turnover of Annex Construction documentation and materials to support layup*
  - *Develop a Construction Restart Plan*
- **Engineered Container Retrieval and Transfer System (ECRTS)**
  - *Submit Draft A of the ECRTS 90% design Remedial Design Report to EPA in May*
  - *DOE-RL approve the ECRTS Preliminary Documented Safety Analysis*
  - *Approve the ECRTS Critical Decision-2/3 process design package*
  - *Perform Integrated Process Optimization Demonstration testing*



Hanford Lifecycle Scope, Schedule and Cost Report



TPA Milestone: M-036-01

Quarterly Performance Report

January - March, 2013

Stephen Korenkiewicz, DOE-RL
Lifecycle Report Project Manager

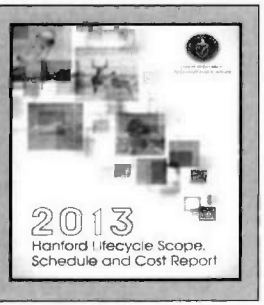
April 18, 2013

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

MSA

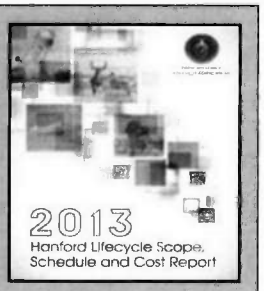
MILESTONE DESCRIPTION AND DELIVERABLE



1. The U.S. Department of Energy (DOE) shall prepare and submit to the U.S. Environmental Protection Agency (EPA) and Washington State Department of Ecology (Ecology) a report setting out the lifecycle scope, schedule and cost for completion of the Hanford Site cleanup mission.

2. The initial Hanford Lifecycle Scope, Schedule and Cost Report (Lifecycle Report) was submitted on July 25, 2011, and subsequent reports are due January 31 of each year. The 2013 Lifecycle Report was the third Lifecycle Report.

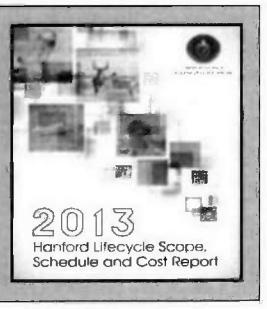
RL PROGRAM MANAGERS' ASSESSMENT OF CONTRACTOR PERFORMANCE



1. The contractor responsible for the Lifecycle Report is Mission Support Alliance, Portfolio Management.

2. Contractor performance related to the submittal of the 2013 Lifecycle Report, evaluation of feedback received on previous Lifecycle Reports, and development and preparation of the 2014 Lifecycle Report is on schedule.

SIGNIFICANT ACCOMPLISHMENTS FOR THE LAST THREE MONTHS

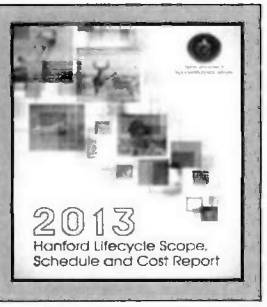


1. The *2013 Hanford Lifecycle Scope, Schedule and Cost Report* (DOE/RL-2012-13) was delivered to EPA and Ecology on January 31, 2013.

2. The 2013 Lifecycle Report and Fact Sheet were posted on www.Hanford.gov on February 14, 2013. The public review period on the 2013 Lifecycle Report began February 14, 2013, and written feedback was due by April 12, 2013.

3. The Tri-Party Agreement (TPA) Managers attended a TPA M-036-01 Project Manager Meeting (PMM) on January 22, 2013. The TPA Managers agreed that the 2014 Lifecycle Report will not include a new alternative analysis. The 2014 Lifecycle Report will incorporate

SIGNIFICANT ACCOMPLISHMENTS FOR THE LAST THREE MONTHS



DOE's updated planning case to reflect recent TPA milestone changes, any new planning information from DOE Office of River Protection (ORP) and other decision documents (e.g., 200-UP-1 Operable Unit Record of Decision, etc.).

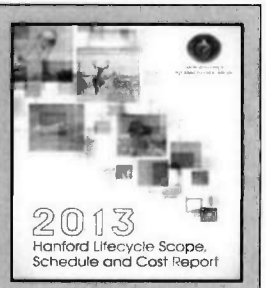
4. The DOE-RL Project Manager presented the 2013 Lifecycle Report to the Hanford Advisory Board Budgets and Contracts Committee on March 5, 2013, which the committee considered very informative.

SIGNIFICANT PLANNED ACTIONS FOR THE NEXT SIX MONTHS

1. The TPA M-036-01 PMM is planned for April 29, 2013, and the feedback received on the 2013 Lifecycle Report will be reviewed.

2. Continue work on the scope, schedule and cost requirements for producing the 2014 Lifecycle Report.

OTHER SIGNIFICANT ISSUES



BUDGET/COST STATUS

No major issues identified.

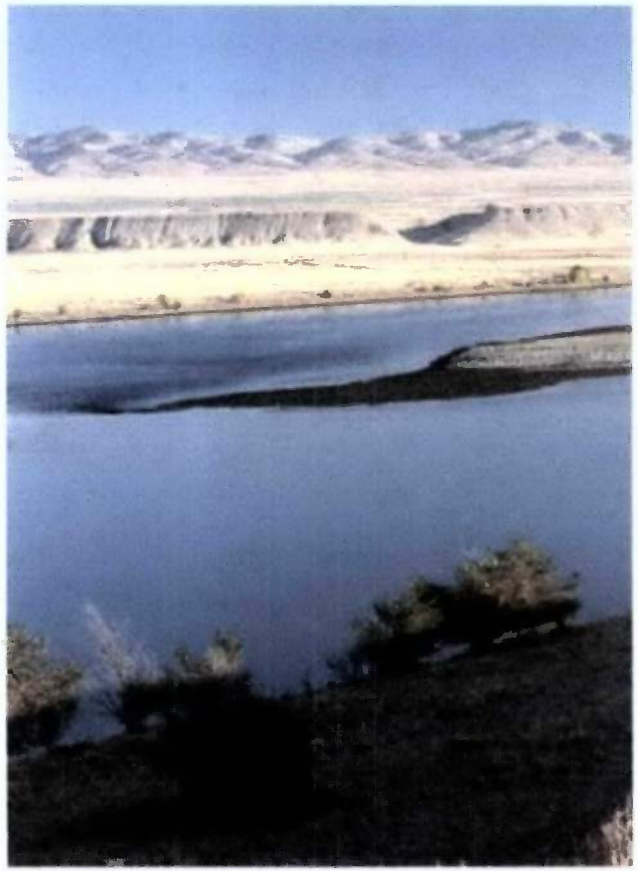
ISSUES

Near term budgets impact work required to meet various TPA milestones and the practical limits of preparing an executable plan for presentation in the 2014 Lifecycle Report. This issue will be reviewed at the planned April 29, 2013 PMM.

NON-TPA REGULATORY ISSUES/POTENTIAL IMPACTS TO TPA

No major issues identified.

CH2MHILL
Plateau Remediation Company



PFP Closure Project

TPA Milestone: M-083

Tri-Party Agreement

Larry Romine, Federal Project Director
Rick Bond, Ecology Project Manager

2nd Quarter 2013
April 18, 2013

U.S. DEPARTMENT OF ENERGY

One Culture. One Team.

Quarterly Milestone Summary

(January – March 2013)

TPA Milestone	Due Date	Status	Milestone Description
M-083-24-T01	09/30/16	On Schedule	Submit Rv. 0 of the PFP Complex S&M Plan to Ecology
M-083-44	09/30/15	In Jeopardy	Complete transition of 234-5Z & -ZA, 243-Z, 291-Z and 291-Z-1 buildings to support PFP decommissioning deactivate and prepare for dismantlement of the above grade portions of these facilities
M-083-00A	09/30/16	In Jeopardy	Complete PFP Facility Transition & Selected Disposition Activities

Accomplishments – 2nd Quarter

- Completed removal of 184 of 238 Gloveboxes (CTD: 77%)
- Continued Backside Rooms & RMA/RMC Glovebox deactivation activities:
  - Removed 2 glovebox equivalents (H1& H2) in last 3 months & completed recovery actions in Room 235A-3
  - External and internal equipment removal, wipe downs, and NDA were completed for glovebox HC-16CC & conveyor section HC-1F.
  - Fixative was applied to the interior of gloveboxes HC-15A, HC-15B, HC-16CC, and conveyor sections HC-1E and HC-1F
- Removed ~1000 lbs of piping from PRF gallery gloveboxes
- Completed PRF Canyon Crane Repair (replaced sprocket, drive belt, and limit switch) & Newport News evaluation; Commenced repair of hoist up and down function

PRF Canyon Entries to Repair Crane

242-Z worker dressed in breathing air gear

Accomplishments – 2nd Quarter Cont'd:

FY2013 Key Performance Goals	FYTD	Complete
Remove 18 gloveboxes	5	28%
Dispose of 50 pencil tank units	15	30%

- Removed 73 feet of asbestos insulation in the duct level for a total of 17,345 feet removed (72% of the total 24,000ft.)
- Continued disposition of Process Vacuum System Piping (36%; 2,497ft. of 6,987 ft.) & Process Transfer Lines (82%; 945 ft. of 1,154 ft.)
- Performed required min-safe inspections, surveillances and maintenance activities

Project Baseline Performance

Contract to-Date (through March 2013)

RL-0011 Nuclear Material Stabilization and Disposal	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	$588,180.6	$573,015.9	$590,826.7	($15,164.8)	-2.6%	($17,811.0)	-3.1%	$940,254.5	$958,071.3	($17,816.8)
Capital	$296,373.4	$291,764.0	$304,261.4	($4,609.5)	-1.6%	($12,497.5)	-4.3%	$306,396.5	$318,893.9	($12,497.4)
Base	$291,807.2	$281,251.9	$286,565.3	($10,555.3)	-3.6%	($5,313.5)	-1.9%	$633,858	$639,177.4	($5,319.4)

U.S. DEPARTMENT OF ENERGY

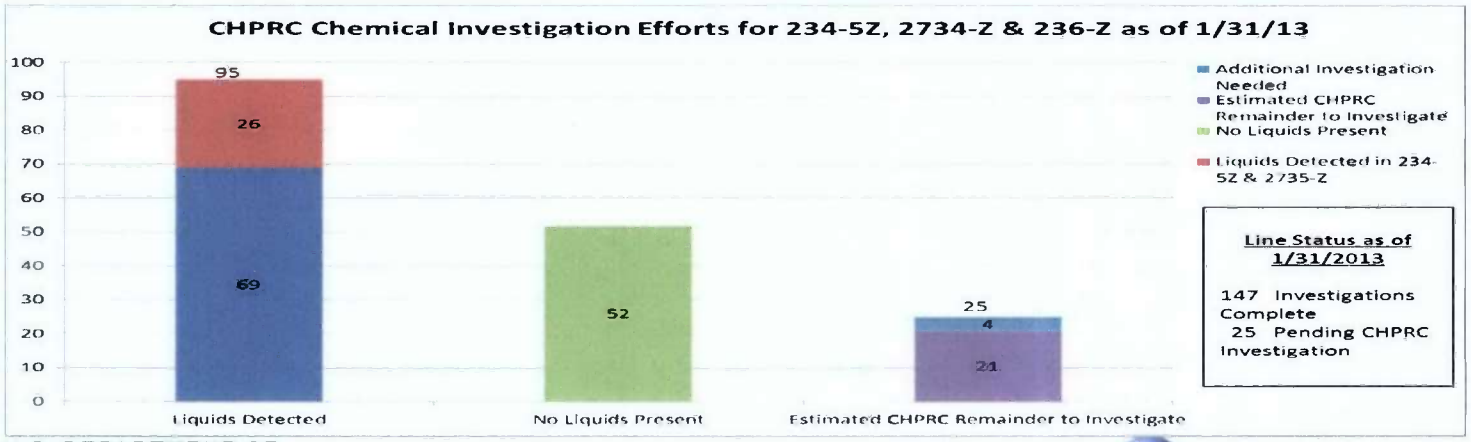
CH2MHILL
Plateau Remediation Company

Issues/Challenges

- Chemical Mitigation
- Ventilation system
- PRF Canyon crane
- Recover TPA schedule
- CBA negotiations

Exhaust Fan Status

EF-1 OUT OF SERVICE	CATASTROPHIC FAILURE 8-29-11
EF-2	IN SERVICE
EF-3 MAINTENANCE REQUIRED	CRACKED IMPELLAR REPAIRED. IN SERVICE - BELT RETENSIONING PLANNED.
EF-4	OUT OF SERVICE TO REPLACE BEARING HOUSINGS, REMEDY MOUNTING PLATE ANCHORS.
EF-5 E - USE ONLY	AVAILABLE FOR OPERATION, BUT OCCASIONAL HIGH VIBRATION READINGS, PILLOW BLOCK REPLACEMENT PLANNED.
EF-6 MAINTENANCE REQUIRED	CRACKED IMPELLAR REPAIRED. IN SERVICE - BELT RETENSIONING PLANNED.
EF-7	IN SERVICE - BEING EVALUATED FOR PILLOW BLOCK REPLACEMENT.



U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Issues/Challenges

Regulatory Issue:

- Challenge to achieve FY14-16 TPA Milestones complete demolition of PFP to slab-on-grade

Non-Regulatory Issues:

- Remaining gloveboxes are significantly more difficult to remove than planned.
- Equipment failures associated with aging building systems/components (e.g. PRF crane, exhaust fans) impacting D&D
- Utilization of current resources/staff productivity
- Staff retention; layoffs/bump and roll
- FY-14 Budget to sustain Performance Measurement Baseline
- Continue efforts to identify alternate approaches to achieve efficiencies and cost & schedule savings (achieve Value Engineering goals)

Planned Activities

Next 3 months

Safe & Compliant

- Complete replacement in Filter Room 309 & 314.
- Complete planning for replacement of PRF filter banks B, C & D
- Complete replacement of pillow blocks and bearings on EF 5
- Review proposed DSA and TSR changes for high-gram glovebox movement & staging outside 234-5Z

Disposition Solid Waste

- Load and ship GB HC-1C & HC-1D to PFNW
- Load and ship pencil tanks 126 & 127

234-5Z RMA/RMC Lines

- Install scaffolding and resume exhaust filter removal and mechanical isolation of HA-9A glovebox (high dose job)
- Complete separation activities of GBs HC-15A, B,C, and HC-1E and stage in Room 228B
- Complete removal activities for the eight Room 235A-2 gloveboxes

Balance of 234-5Z

- Continue asbestos abatement, process transfer line removal, and process vacuum line removal

236-Z PRF

- Complete repairs to canyon crane hoist
- Size reduce pencil tanks 126 & 127, 38(failed), and 16
- Continue equipment removal from east gallery gloveboxes

Department of Energy – Richland Operations Office

Solid Waste Stabilization and Disposition Project RL-13 Milestone Review

M-091/M-026

Second Quarter FY2013

April 18, 2013

Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

www.em.doe.gov

Accomplishments – January-March 2013

- M-091-40 – Submitted October-December 2012 Burial Ground Substrate Sampling Results

- M-026-07C – Submitted Tritium Treatment Technology Development Report by 3/31/2013

Milestone Status

- M-026-01 Land Disposal Restrictions Report – 2012 Report on schedule to be submitted by 04/30/13
- M-91-03 Project Management Plan – 2012 Plan on schedule to be submitted by 06/30/13
- M-091-40 Retrievably Stored Waste (CH) – Complete the retrieval and designation of CH Retrievable Stored Waste in burial grounds by 09/30/16
  - Target: Retrieve 250 m^3 by 09/30/13 – No waste to be retrieved in FY13
- M-091-41 Retrievably Stored Waste (RH) – Complete non-caisson retrieval by 09/30/16 – No waste to be retrieved in FY13
- M-091-42 MLLW (CH, small container) – Complete treatment by 09/30/17
  - No M-091-42 waste to be treated in FY13
  - 25 m^3 in aboveground storage

Milestone Status

- M-091-43 MLLW (RH and large container) – Complete treatment by 09/30/17
  - No M-091-43 waste to be treated in FY13
  - 42 m^3 in aboveground storage
- M-091-44S TRUM Waste (RH and large container) – Certify 300 m^3 by 09/30/18
  - M-091-44Q (2016) and M-091-44R (2017) - Completed previously
  - No waste to be repackaged into a WIPP-certifiable waste form in FY13
  - 7,077 m^3 in aboveground storage (includes newly generated waste)
- M-091-46 TRUM waste (CH, small container) – Complete the certification of small CH TRUM waste.
  - Target: Certify 125 m^3 by 09/30/13 – No waste to be repackaged into a certifiable waste form in FY13
  - 1,802 m^3 in aboveground storage (includes newly generated waste)

Project Baseline Performance

Contract to Date through March 2013

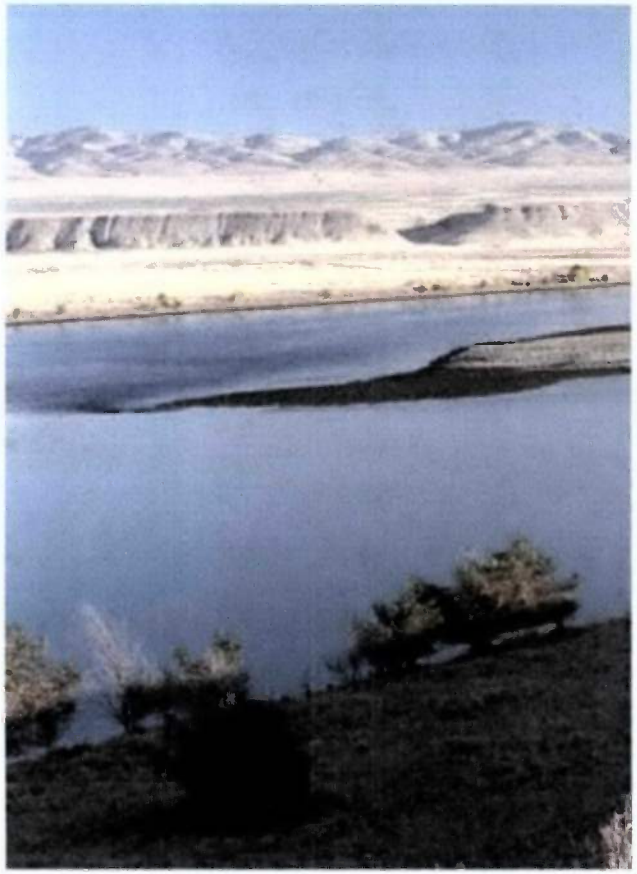
Dollars in Thousands

Title	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance	Cost Variance
Central Waste Complex	40,629.5	40,629.5	39,455.1	0.0%	2.8%
Waste Receiving and Packaging Facility (WRAP)	30,297.1	30,297.0	33,061.6	0.0%	-9.1%
T Plant	50,449.9	50,449.9	45,307.9	0.0%	10.1%
MLLW Treatment	43,182.5	43,182.5	37,190.6	0.0%	13.8%
TRU Waste Retrieval	99,991.6	99,991.6	112,269.0	0.0%	-12.2%
TRU Waste Repackaging	45,739.4	45,739.4	42,187.6	0.0%	7.7%
TRU Waste Disposition	30,934.4	30,934.4	22,345.0	0.0%	27.7%
Project Management	77,517.8	77,517.8	75,789.4	0.0%	2.2%

Actions Planned for Next Six Months

- Complete WRAP and LLBGs lay up work (e.g., move waste to the Central Waste Complex, clean up or stabilize remaining contamination areas, move equipment and supplies to storage, maintain ventilation and fire protection, document facility conditions)
- Support permitting activities
- Continue to work with Ecology on the Agreed Order and permit issues
- Submit Quarterly Burial Ground Sampling Results
- Submit Annual Hanford Land Disposal Restrictions Report for 2012 by 4/30/13
- Submit Annual Revision of TRUM and MLLW PMP to Ecology by 6/30/13

CH2MHILL
Plateau Remediation Company



Central Plateau Remediation Project RL-40 Milestone Review

M-016-00, M-085-00

U.S. Department of Energy
U.S. Environmental Protection Agency
State of Washington, Department of Ecology

Second Quarter FY2013
April 18, 2013

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL
Plateau Remediation Company

Accomplishments – 2nd Quarter 2013

TPA Milestones

- *None completed during 2nd Quarter 2013*

Complete Waste Information Data Services (WIDS) Site Surveillances

- *Completed all 200W RARA WIDS site surveillances*
- *Completed 600 Area annual D&D WIDS site surveillances*
- *Replaced 300 radiological postings on WIDS site areas*

Complete Surveillances

- *Completed REDOX annual surveillance*
- *Completed monthly preventive maintenance activities and radiological facility surveillances.*

Central Plateau is in a Minimum Safe Configuration

Milestone Status

TPA Number	Milestone Due Date	Milestone Title	Status
M-085-00 RL 40 – Complete Response Actions for the Canyon Facilities/Associated Past Practice Waste Sites, other Tier 1 CP Facilities not covered by existing milestones, and Tier 2 CP Facilities			
M-085-01*	4/30/13	Submit Change Package to establish date for major Milestone M-85-00	**UNDER NEGOTIATION**
M-085-10A*	6/30/14	Submit RI/FS Work Plan for the 200-CB-1 OU (B Plant Canyon/associated past practice waste sites) to Ecology.	**UNDER NEGOTIATION**
M-085-20A*	9/30/15	Submit RI/FS Work Plan for the 200-CP-1 OU (PUREX Canyon/associated past practice waste sites) to Ecology.	**UNDER NEGOTIATION**
M-085-30A*	12/31/17	Submit RI/FS Work Plan for the 200-CR-1 OU (REDOX Canyon/associated past practice waste sites) to EPA.	**UNDER NEGOTIATION**
M-085-50*	12/31/15	Submit Revised RAWP for the 224-B Concentration Facility in accordance with the Action Memo for the Non-Time Critical Removal Action for the 224-B Plutonium Concentration Facility (DOE/RL-2004-36). A change package with a completion milestone will accompany the submittal of the work plan.	**UNDER NEGOTIATION**
M-085-51*	12/31/25	Submit RAWP for the 224T TRUSAF in accordance with the Action Memo for the Non-Time Critical Removal Action for the 224-T Plutonium Concentration Facility (DOE/RL-2004-68). A change package with a completion milestone will accompany the submittal of the work plan.	**UNDER NEGOTIATION**
M-085-60*	03/31/18	Complete EE/CA Report(s) for all Tier 2 Facilities listed in Appendix J	**UNDER NEGOTIATION**
M-016-00 RL 40 – Complete Remedial Actions for all Non-Tank Farm and Non-Canyon Operable Units			
M-016-200A	9/30/17	Complete U Plant Canyon (221-U) Demolition in accordance w/ RD/RAWP	On Schedule
M-016-200B	9/30/21	Complete U Plant Canyon (221-U) Barrier Construction in accordance w/ the RD/RAWP	On Schedule

*M-085 Milestone series is included in the Tentative Agreement for renegotiation.

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Project Baseline Performance

Contract to date (Through March 2013)

WBS 040/RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
U Plant/Other	199.4	199.4	193.7	0.0	0.0	5.7	2.9	199.4	193.7	5.7
Outer Zone	84.3	84.3	71.7	0.0	0.0	12.6	15.0	84.3	71.7	12.6
Asbestos Abatement	1.8	1.8	1.3	0.0	0.0	0.6	31.7	1.8	1.3	0.6
ARRA Total	285.5	285.5	266.6	0.0	0.0	18.9	6.6	285.5	266.6	18.9
Base	84.6	84.4	75.7	-0.2	-0.3	8.7	10.3	203.2	194.5	8.7
Total	**370.1**	**369.9**	**342.3**	**-0.2**	**-0.1**	**27.6**	**7.5**	**488.7**	**461.1**	**27.6**

Numbers are rounded to the nearest $0.1M.

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

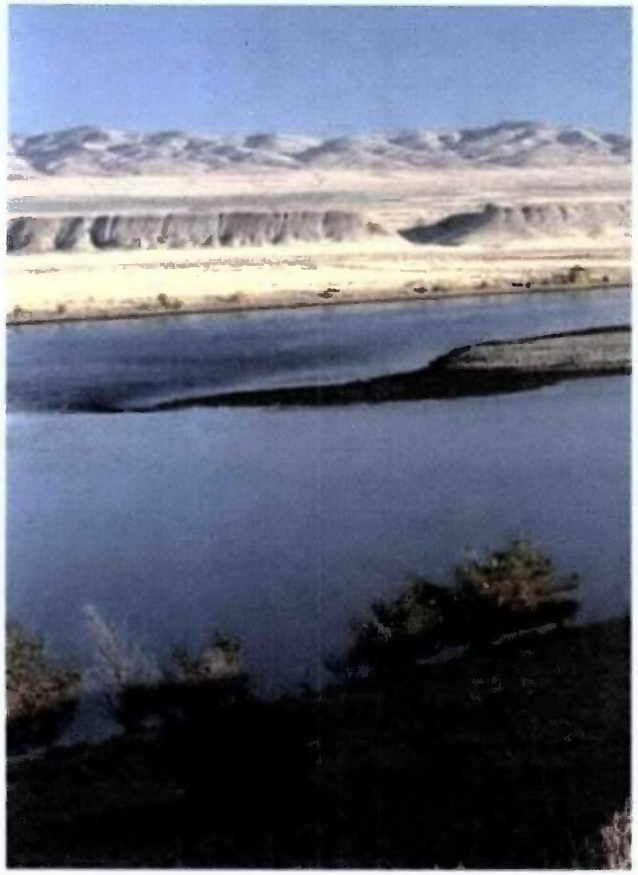
Planned Activities

Next 6 months

Post D&D of Facilities:

- *Conduct walk-down of select sites with the regulatory agencies as part of S&M Plan*
- *Perform B Plant, 241CX, and 224T annual surveillances*
- *Perform miscellaneous facility surveillances*

CH2MHILL
Plateau Remediation Company



Soil and Groundwater Remediation Project Milestone Review

M-015-00, M-016-00, M-024-00, M-037-00

U.S. Department of Energy
U.S. Environmental Protection Agency
State of Washington, Department of Ecology

Second Quarter FY2013
April 18, 2013

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL
Plateau Remediation Company

Accomplishments – 2nd Quarter 2013

- **Completed <u>Proposed</u> TPA Milestone M-015-74**

  Revise and submit the 100-BC-1,2 and 5 RI/FS Work Plan, including the SAP to include additional groundwater well installation and associated monitoring.
  Completed January 28, 2013

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Accomplishments – 2nd Quarter 2013

200 West Area Groundwater Treatment Facility

- *Operating 24 hours/day, 7 days/week (except when down for repairs/maintenance)*
- *Pump-and-treat throughput averaged 1,400 gpm for the quarter*
- *Average contaminant concentrations are being reduced to less than specified ROD cleanup levels*

200-DV-1 – B Area Perched Water Extraction System

- *Removed 25,515 gallons of effluent from the perched water zone, including extraction of:*
  - *3.2 kilograms of uranium*
  - *61 kilograms of nitrates*
  - *3,393,000,000 pCi of Tc-99*

River Corridor and Central Plateau Groundwater

- *Treated 469 million gallons of groundwater*
- *Removed 10,377kg of contaminants from the groundwater*
  - *102 kilograms of hexavalent chromium*
  - *9,450 kilograms of nitrates*
  - *825.7 kilograms of carbon tetrachloride*

Sampling

- 2,535 samples collected
- 5,525 analyses performed

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Accomplishments – 2nd Quarter 2013

100-F

- *EPA comments received on the Draft A RI/FS and Proposed Plan*
- *EPA and DOE-RL agree that the preferred remedies are source removal, monitored natural attenuation and institutional controls*

100-D/H

- *Ecology comments received on Draft A RI/FS and PP*
- *Completed construction tie-in at 199-D8-53 and -68 (realigned as extraction wells); electrical inspections underway*
- *DOE-RL and Ecology agreed to location of new and replacement wells; staked well locations in field*

100-K

- *Completed justification for new and replacement well with EPA; staked well locations in field*

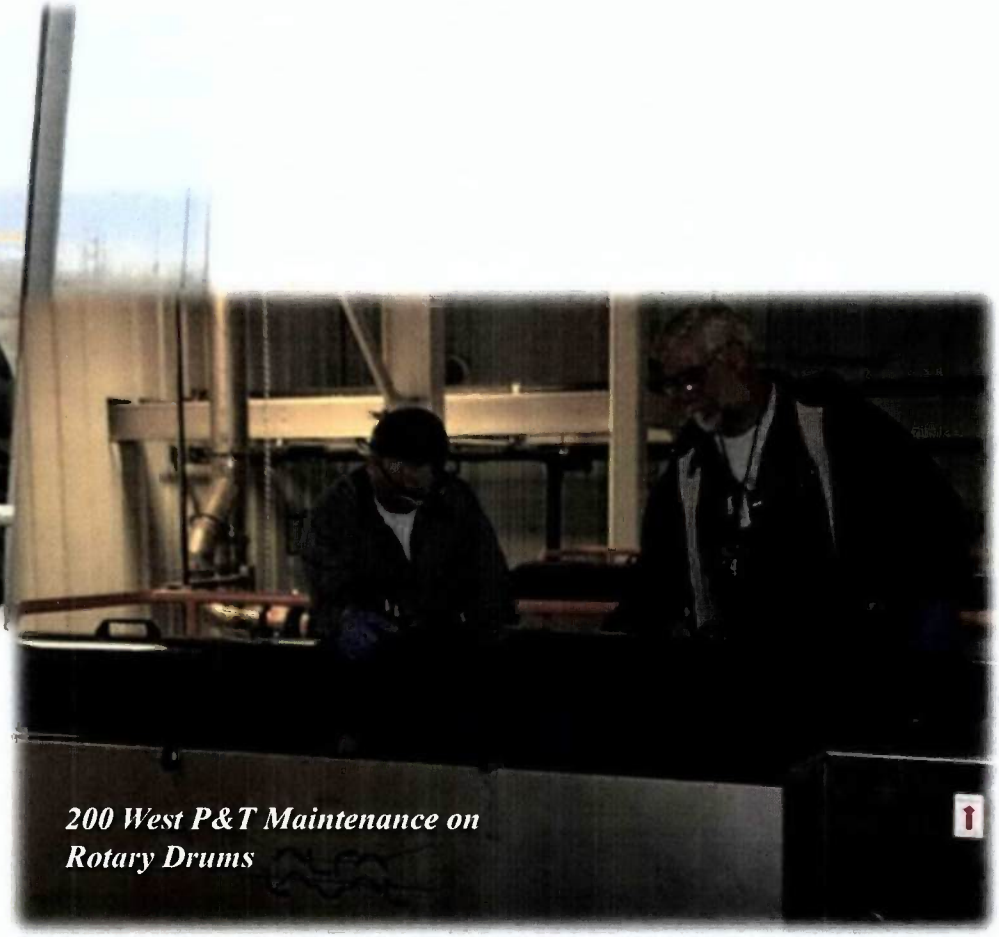
Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Accomplishments – 2nd Quarter 2013

Sampling at 200 West



200 West P&T Maintenance on Rotary Drums

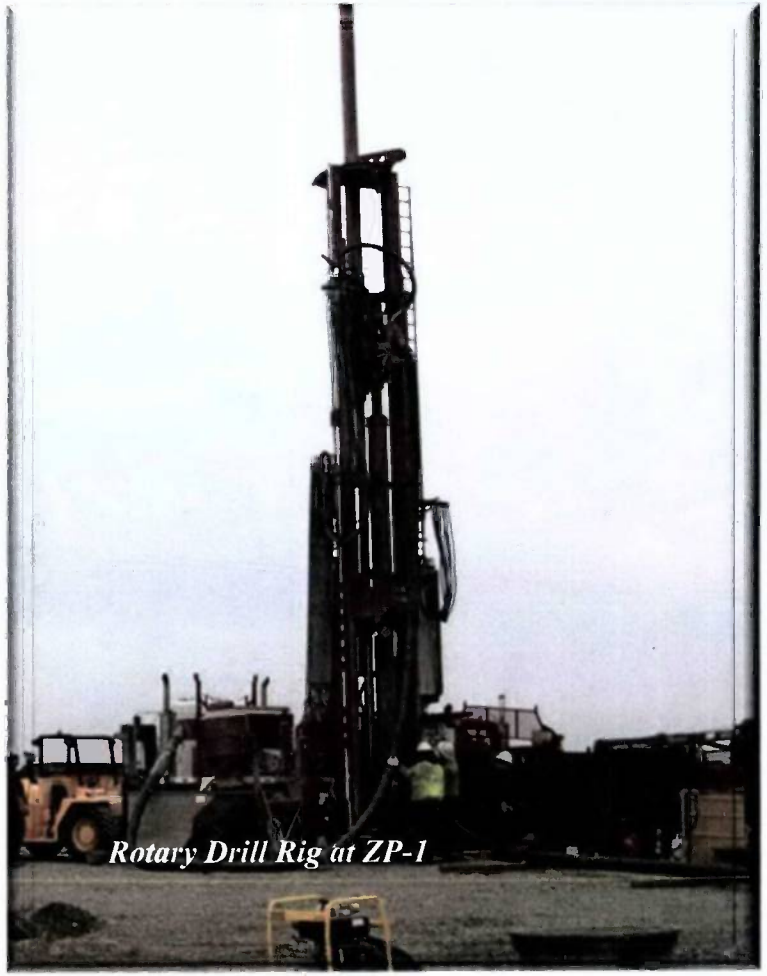
Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Accomplishments – 2nd Quarter 2013

Staking 100-K Well Locations



Rotary Drill Rig at ZP-1

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL
Plateau Remediation Company

Milestone Summary

TPA Number	Milestone or Target Date	Milestone/Target Title	Status
M-015-00	**Complete RI/FS (or RFI/CMS & RI/FS) Process for All Non-Tank Farm Operable Units Except for Canyon/Associated Past Practice Waste Site Operable Units Covered in M-85-00**		
M-015-68-T01	11/30/11	(Renegotiating to 12/15/16) Submit RI/FS Report and PP for 100-BC-1/2/5 OUs for GW and Soil	UNDER NEGOTIATION*
M-015-62-T01	09/17/12	(Renegotiating to 6/30/13) Submit FS/PP for 100-NR-1/2 OUs Including GW and Soil	UNDER NEGOTIATION*
M-015-00D	12/31/12	(Renegotiating to exclude BC and N) Submit PP for all 100 & 300 Area OUs to Complete RI/FS Process	COMPLETION CRITERIA MET
P-015-74	1/31/13	Revise and submit the 100-BC-1,2 and 5 RI/FS Work Plan, including the SAP	COMPLETE
M-015-95	4/30/13	Submit RI/FS Work Plan for 100-OL-1 to EPA & Ecology	ON SCHEDULE
P-015-75	6/30/13	Submit RI/FS Report and PP for the 100-NR-1 source OU and 100-NR-2 groundwater OU	PROPOSED NEW MILESTONE EVALUATING SEQUESTRATION IMPACTS
P-015-76	9/30/13	Install additional wells monitoring network as specified in revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	PROPOSED NEW MILESTONE EVALUATING SEQUESTRATION IMPACTS
P-015-77	11/30/13	Install additional aquifer tubes as specified in revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	PROPOSED NEW MILESTONE EVALUATING SEQUESTRATION IMPACTS
M-016-00	**Complete Remedial Actions for all Non-Tank Farm and Non-Canyon Operable Units**		
M-016-126	6/24/13	Submit a Draft A Remedial Design/Remedial Action Work Plan for 200-UP-1 to EPA	COMPLETE 04/02/2013

**Activities to meet target dates for M-015-68-T01 and M-015-62-T01 are being replanned; however, project has met the renegotiated completion criteria for the revised M-015-00D, which is tentatively agreed to by the Tri-Parties, agencies currently responding to public comments.*

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Milestone Summary

TPA Number	Milestone or Target Date	Milestone/Target Title	Status
M-024-00 – Complete Well Installations with RCRA/CERCLA Requirements			
M-024-58F	6/1/2013	Initiate Discussions of Well Commitments	ON SCHEDULE
M-024-64	12/31/2013	DOE Shall Complete Construction of all Wells Listed	COMPLETE
M-024-64-T01	8/1/2013	Conclude Discussions of Well Commitments	ON SCHEDULE
M-037 – RCRA Closures			
M-037-03	04/30/2013	Submit Revised Closure Plans to support TSD closure for two (2) TSD Units: 216-B-3 Main Pond system, and 216-S-10 Pond and Ditch.	ON SCHEDULE

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Project Baseline Performance

Contract to date through March 2013

WBS 030/ RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
RL-0030.O1 RL 30 Operations	513.8	512.6	501.6	-1.2	-0.2	11.0	2.1	1,151.9	1,138.0	13.9

Numbers are rounded to the nearest $0.1M.

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Planned Activities

Next 6 months

100 BC Area

- *Address EPA comments and finalize revisions to the 100-BC-5 Work Plan and Sampling and Analysis Plan*
- *Install additional monitoring wells*

100 K Area

- *Submit Integrated Monitoring Plan and RD/RAWP for Interim Action to EPA for review*
- *Continue pump-and-treat operations*

100 N Area

- *Issue Draft A RI/FS and PP for Ecology review.*

Planned Activities

Next 6 months (cont.)

100 F/IU Area

- *Resolve EPA comments and revise RI/FS and PP*

100 D&H Area

- *Resolve Ecology comments and revise RI/FS and PP*
- *Submit Integrated Monitoring Plan and RD/RAWP for Interim Action to Ecology for review*
- *Continue pump-and-treat operations*

100 Area OU-1 (Orchard Lands)

- *Submit Draft A RI/FS Work Plan to EPA and Ecology*

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

Planned Activities

Next 6 months (cont.)

200-ZP-1 / 200-PW-1 Soil Vapor Extraction

- *Complete 200-West P&T drilling and sampling of 4 new extraction/ injection wells*
- *Issue updated 200 West P&T Operation and Maintenance Plan*
- *Issue annual 200 West Groundwater Modeling Report*
- *Issue CY12 200-ZP-1 Annual P&T Performance Report*
- *Issue CY12 200-PW-1 SVE Annual Report*

200-UP-1

- *Continue S/SX groundwater extraction system operations*
- *Issue Rev. 0 of the 200-UP-1 RD/RAWP*

200-DV-1

- *Continue B Area perched water extraction system operations*

200-BP-5

- *Decommission well #299-E33-18*

Planned Activities

Next 6 months (cont.)

200-PO-1

- *Decommission well #299-E25-236*
- *Revise assessment plan for WMA A-AX*

200 Area

- *Submit draft Closure Plans for 216-B-3 Main Pond system, and 216-S-10 Pond and Ditch (M-37-03)*

300 Area

- *Issue Rev. 0 of the RI/FS, RI/FS Addendum and PP*
- *Complete public review of the Proposed Plan, and sign the Record of Decision*

Issue Hanford Site Annual Groundwater Monitoring Report