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

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

Quarterly Summary (April - June 2013) - DOE-RL reported that M-94-09 was due in September 2013, and it was completed early in April 2013. DOE-RL noted that four change requests were approved, including the change package for milestone M-16-75 to extend the completion date out to March 2014. Milestone M-16-75 is associated with remediation of the waste sites under and around the 309 test reactor, and the date was extended due to the delays in work and the challenging site conditions with removing the reactor.

Milestone Status:

M-16-145 - DOE-RL noted that this milestone is at risk to complete the K Area interim response actions. This milestone addresses waste sites located outside the perimeter fence. DOE-RL added that all of the remediation work is done or will be done. The remaining site is 100-K-111, where characterization of the culturally sensitive sites along the river is being done. The sampling is in progress, but is moving slowly. DOE-RL stated that the goal is to complete the 100-K-111 characterization and incorporate the information in the Proposed Plan (PP) for the K Area final Record of Decision (ROD). EPA suggested that DOE-RL submit a change package to remove the cultural sites out of the milestone. EPA stated its position is that the cultural sites should not be remedied by remove, treat, dispose (RTD). DOE-RL noted that the other issue associated with this milestone is the 118-K-1 burial ground that has the deep tritium contamination, which was also going to be addressed in the K Area final ROD. EPA stated that as long as 118-K-1 is placed in a safe and stable configuration, the site could be deferred from the final ROD. DOE-RL took an action to draft a change package to remove the culturally sensitive sites and 118-K-1 from milestone M-16-145.

Significant Accomplishments - For Last 3 Months:

M-16 - Remedial Action/Risk Assessment - DOE-RL reported that the borrow pit environmental assessment (EA) associated with 100-C-7:1 is in management review and is anticipated to be approved within two weeks. Following approval of the EA, work will resume in 100-C-7:1. DOE-RL stated that the work is on track to be completed by the milestone due date in March 2014. DOE-RL stated that remediation continues in 100-D and 100-H areas, and remediation of 100-D-30 and 100-D-104 is expected to be completed in the October 2013 time frame. The waste will be taken to ERDF for disposal or treatment as required. CHPRC noted that the milestone requires closure approval and completion of backfill and revegetation. EPA stated that if part of the scope

for the K Basins ROD is deferred to the remaining sites ROD, DOE-RL needs to ensure that the scope that will be done under the final action ROD for K Basins is included in the remedial investigation feasibility study (RI/FS) and PP.

M-89 - 324 Building - DOE-RL stated that the subcontract for design and remediation of the waste site under B-Cell is expected to be awarded in the December 2013 - January 2014 time frame.

ERDF - DOE-RL reported that 15 million tons of waste were disposed at ERDF by early July 2013. DOE-RL stated that the six drums that are potential transuranic (TRU) waste were safely retrieved from ERDF and have been overpacked, along with the other seven drums that are potential TRU but were not disposed of in ERDF. The data results from assay of the drums are expected in the September 2013 time frame. DOE-RL noted that there are two drums that may be potential TRU, and it is anticipated that the other drums will fall out as low level waste.

EPA stated that the ERDF waiver request appears to be on track for approval. EPA noted that DOE-RL's initial response to EPA Headquarters' 15 questions need some rework to bolster the responses, and EPA will be sending comments to DOE-RL. EPA stated that once adequate answers are provided to the 15 questions, that will form the basis of the feasibility study (FS) and the PP can be written. DOE-RL asked if the FS/PP will encompass all of the waste streams. EPA responded that there are two or three waste streams that DOE-RL is really pursing, and the FS/PP will cover those waste streams. EPA indicated that if the 15 questions are addressed more thoroughly and in a more appropriate manner, it should clear up the uncertainty about the remaining waste streams.

EPA inquired about an issue with the breakers for the pumps at ERDF. DOE-RL responded that there was a malfunction in a breaker box on Sunday night (7/14/13), and it was discovered the next morning. There was a fire inside the box, and the outside of the box was charred. DOE-RL noted that the breaker box is in an isolated area and not close to any structures. The malfunction tripped off two or three lines in the power feeder coming into ERDF, which tripped off the pumps for cell 7 and super cells 9 and 10. Generators were hooked up to keep the pumps operating, and disposal operations have not been affected. A new panel will be in place in a couple weeks. DOE-RL stated that efforts are under way to determine the cause of the fire.

Significant Actions Planned - For Next Three Months:

M-16 - Remedial Action/Risk Assessment - DOE-RL noted that the characterization activities at the 100-K shoreline are moving slowly, due to the hot weather. The workers are on masks and working in holes for 30 minutes on and 30 minutes off. EPA asked if DOE-RL had considered bringing in lights and working on graveyard shift. DOE-RL responded that the option has not been discussed, and agreed to ask the question about adding a graveyard shift.

M-94 - DOE-RL stated that preparation for the 340 vault removal is continuing with

further analysis to ensure work can be done safely. DOE-RL noted that high soil contamination of about 16 rad per hour was detected directly under the center of the vault when the last support casing was being placed, and work was stopped. The contamination is a small volume in a limited area. Work resumed last week, and the perimeter monitors in the work area went off because of the dry soil. Work was stopped to place a soil fixative and ensure that the area is adequately wetted to control the contamination. EPA noted that it requested the Department of Health to place a monitor at the site.

Performance Summary - DOE-RL reported that the project continues to do well on the cost variance, and the schedule variance will continue to come down as the project gets closer to completion.

Issues - DOE-RL noted that the issue with the contamination was discussed under M-94 340 vault removal.

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

Accomplishments - 3rd Quarter 2013:

Sludge Treatment Project Phase 1 - Removal of Containerized Sludge - DOE-RL reported that the final design for the sludge retrieval and transfer system is essentially complete, although it has not been formally released into the document control system. The final design will be part of the critical decision 2/3 package (CD-2/3), along with the cost and schedule, which will take the sludge treatment project forward to completion. DOE-RL added that the 90 percent remedial design report (RDR) was approved and issued by EPA. DOE-RL stated that with completion of the final design for sludge retrieval and transfer and the RDR documents, it is anticipated that M-016-174 will be declared complete sometime in August 2013, ahead of the September 30, 2013 milestone due date. DOE-RL stated that the preliminary documented safety analysis (PDSA) for the engineered container retrieval and transfer system (ECRTS) was completed. The PDSA is a documented nuclear safety analysis that is done to ensure that the sludge material can be handled in a manner that is safe to the workers and the public.

DOE-RL reported on the status of the annex construction, which is under milestone M-016-175 for start of sludge removal from the 105-KW Basin. Construction on the annex was suspended in March 2013, due to sequestration. The annex construction site has been placed in a safe and stable configuration, and the materials that have been received are in safe storage. The construction work packages for the annex that were open were reviewed to document the condition of the site at the time of suspension to provide continuity when construction of the annex restarts. DOE-RL stated that a constructability review was done on the annex in an effort to take advantage of the down time during the suspension of construction. The constructability review identified efficiencies and improvements that will be incorporated into the field execution schedule. DOE-RL stated that the contractor was directed in late June 2013 to begin hiring staff to put together a team to restart the annex construction, and the hiring and training process is

under way. The near-term goal is to complete the concrete pours in the fall before the cold weather sets in.

105-KE Reactor Interim Safe Storage (ISS) - DOE-RL noted that the facility hazard categorization (FHC) was completed and is in DOE-RL for review and approval. The FHC will update the existing safety basis and will support surveillance and maintenance monitoring activities in the interim until ISS is completed. The FHC will also support the ISS activities when they are resumed, and support construction of the characterization well near the northeast corner of the reactor building.

D4 - DOE-RL noted that there was not much activity in D4 this year, due to budget constraints.

Cold Vacuum Drying Facility (CVDF) - DOE-RL reported that the CVDF was downgraded from a Category 2 nuclear facility and transitioned to a maintenance and support facility. DOE-RL stated that the facility was used to process spent fuel before it was shipped to the canister storage building (CSB) for storage, and the final fuel shipments were completed last year. DOE-RL noted that transfer of the CVDF was not tied to any milestone, but it is considered a significant accomplishment.

Milestone Status - DOE-RL noted that M-016-174 is on schedule, and all of the other sludge-related milestones and the waste site (M-016-143) are at risk. EPA stated that M-016-00C is also probably at risk. Regarding M-016-173, EPA stated its expectation is for DOE-RL to deliver a product that meets the requirements in the ROD; i.e., treat the sludge as it is being generated or within a short lag time. EPA added that meeting the expectation will factor into budget submittals in 2016, 2017 and 2018, and help avoid the quandary of starting to plan the work in 2016 or 2017, which means the funding won't be received until 2019, 2020 and 2021. DOE-RL stated that delay is not acceptable, but if that happens there will be opportunities to transition to phase 2 in a more cogent method, and that there will be more options for technologies in phase 2. DOE-RL suggested initiating a discussion during the biweekly meetings about the need to stay aligned with the current funding. DOE-RL added that it would also be a good topic for discussion at the Senior Executive Committee (SEC) meetings, in light of the current Waste Treatment Plant (WTP) issues and that DOE-Headquarters will be looking at the Hanford Site as a single site.

EPA stated its perspective regarding sludge treatment is that although a better technology would be good, it only needs to meet the Waste Isolation Pilot Plant (WIPP) requirements. DOE-RL stated that if there is an opportunity for a better technology that is cheaper, it could be used as a demo for several orphan sites (PFP tanks, PUREX, REDOX, etc.). DOE-RL added that unless a compelling need, argument and cost benefit analysis could be demonstrated with a new technology, the efficiency of meeting WIPP requirements would continue to be the focus.

Planned Activities Next Six Months:

Engineered Container Retrieval and Transfer System (ECRTS) - DOE-RL stated that following review and approval of the ECRTS CD-2/3 package, the contractor will start procurement of the ECRTS process equipment. DOE-RL noted that milestone M-016-174 is expected to be completed by the 9/30/13 due date, and it should have been noted in today's handout. DOE-RL stated that the integrated process optimization demonstration (IPOD) testing at the 400 Area MASF test facility will be a full scale test system that is a replica of the system that will be installed in the K Basin. The system testing will be conducted for several months and establish a baseline for how the system should work. At the end of the ECRTS procurement process, the production equipment will be assembled at MASF for a cold commissioning run, using the baseline testing data to calibrate the system. Once the system is lined up, it will be disassembled, taken to the K Basin and then started up. DOE-RL noted that the IPOD testing will include operator training, which will accelerate startup when the system is installed in the K Basin.

D4 - DOE-RL stated that the plan and procedures for D4 are expected to be issued and used in the future when D4 work is resumed. Ecology asked which D4 work will be resumed. DOE-RL responded that it is the remaining D4 work that is inside the 100-K fence line, and it will also apply to Central Plateau work since they are CHPRC site procedures. Ecology asked why the procedures needed to be redone. DOE-RL responded that it is associated with asbestos conduct of operation and is an overhaul on the program, which is not unusual.

105KE Reactor ISS - CHPRC noted that the 105-KE sampling is planned in FY14 after January 2014.

PFP Closure Project - TPA Milestone M-083

Quarterly Milestone Summary (April - June 2013) - DOE-RL stated there were no changes to the milestones.

Accomplishments - 3rd Quarter - DOE-RL reported that as of today, a total of 200 out of 238 gloveboxes have been removed, and ten glovebox equivalents have been removed from the backside rooms. DOE-RL distributed color photos depicting glovebox separation activities that occurred yesterday (7/17/13), and noted the efficiency of the workers while performing the glovebox separation. DOE-RL stated that there were no contamination events in May and June 2013, which significantly improved glovebox removal. There was a contamination event with glovebox HA-9A in early July 2013, but it was turned around and recovered within two shifts. DOE-RL noted that HA-9A is one of four very challenging gloveboxes that has fluorinated plutonium in it, which is extremely flighty. The viewport in the glovebox was clouded over and the workers couldn't see inside the glovebox. When the tape was pulled off to put a new viewport on, some contamination was suspended in the air. Six workers had plutonium on their outer personal protective equipment (PPE), one worker had it on the inner PPE, and two workers had alpha contamination on their powered air purifying respirators. All of the workers cleared the contamination monitors, and their nasal smears were less than detectable. DOE-RL noted that the team was prepared for the hazard and managed the

situation quickly. One of the corrective actions is to bring in point source ventilation right at the place where the work is being done.

DOE-RL provided an update on the value engineering (VE) study that was conducted with CHPRC in April 2013. DOE-RL noted that one of the outcomes is to replace aging support systems with temporary safety systems that are more portable, which will reduce the need for surveillance and maintenance in the facility. DOE-RL referred to the sequestration impacts that occurred in late March 2013, which reduced the number of teams from 12 down to eight. As a result of the VE study and realigning resources to focus on the high hazard risks, a ninth team has been added. DOE-RL stated that establishing the demolition footprint and getting workers out of the facility were key efforts resulting from the VE study. DOE-RL noted that new leadership and increased communication has improved the morale of workers facing the eventual cold and dark status of the facility.

DOE-RL stated that another outcome of the VE study was establishing a Risk Evaluation Board. The purpose is to bring key issues before the board that CHPRC identifies as risks. The board will help streamline and improve effectiveness with a quicker decision-making process. The Oregon Department of Energy (ODOE) inquired about the reduced shift complements. DOE-RL explained that there is a basic shift complement that manages each shift, and an evaluation was done to determine whether the shift complement could be reduced. DOE-RL noted that the shift reduction provided some of the workers for the ninth team that was added.

DOE-RL provided an update on the canyon crane, which has continued to be a major challenge over the past three months. Konecranes, the crane manufacturer, was brought in to conduct an evaluation. As a result, the 60-year-old festoon cables are being replaced, and a function test is expected to be done within two weeks and then place the crane back in operation. DOE-RL stated that alternatives to the crane have been considered, and CHPRC's perspective is the safest way to get work done with the pencil tanks is with the crane. One alternative is to add a hoist mechanism to the existing crane if the rebuilt hoist doesn't work. Another alternative is to do manned entries wearing what is called a premier suit, which is used at Idaho National Lab (INL). A team visited INL to observe and discuss with workers use of the premier suit, which has a much larger viewing window and ventilation inside the suit, making it cooler for the worker. DOE-RL stated that it is believed the comfort level of the suit will improve efficiency, and an order was made for some suits.

DOE-RL stated that the FY13 key performance goal (KPG) to remove 15 gloveboxes has been met. EPA asked if the KPG metrics are set up in a way that if they are achieved in each fiscal year, DOE-RL will remain on track to meet its milestones. DOE-RL responded that the FY13 metrics were aligned with the baseline, but sequestration cut back the metrics for glovebox and pencil tank removal about 20 to 25 percent. DOE-RL noted that during the FY13 project management baseline (PMB) update, the contractor did not have the chance to update the durations of activities based on their experience. The contractor is currently updating the FY14 PMB, and is now providing an update of

the durations. Additionally, the contractor is not constrained by the TPA milestone completion date, which caused issues with adding risks and offsetting them with opportunities in an effort to provide what DOE-RL requested. DOE-RL stated that the expectations for FY14 will align with meeting the 2016 milestone of getting to slab-on-grade. DOE-RL indicated that if the FY14 budget ends up being in a continuing resolution (CR), that will pose a risk to completing the milestones.

DOE-RL noted that a glovebox foaming demonstration was done yesterday at ERDF, and there is a potential to employ the foam method on the more hazardous gloveboxes. DOE-RL added that completion of 234-5Z is anticipated by the end of calendar year 2013. DOE-RL stated that the remaining critical paths are the PRF crane and removal of the remaining big gloveboxes at PFP.

Project Baseline Performance - DOE-RL noted that the efficiency of glovebox removal was up in May and June 2013, and the PRF crane is the main driver for the negative cost and schedule variances.

Issues/Challenges - DOE-RL noted that most of the issues and challenges were already discussed.

Planned Activities Next 3 Months - DOE-RL stated that the glovebox foaming demonstration will continue, and next month a practice demonstration of cutting out hot spots on the foamed glovebox will be done. DOE-RL noted that an unresolved safety question (USQ) on the glovebox foaming is being evaluated, and when the USQ is completed a determination will be made whether any changes to the documented safety analysis (DSA) are needed.

M-091/M-026 TPA Quarterly Milestone Review

Milestone Status:

M-026-01 - Land Disposal Restrictions Report (LDR) - DOE-RL stated that comment responses to the annual LDR report are being prepared and will be discussed informally with Ecology. DOE-RL formal comment responses are anticipated for submittal by mid-August 2013.

M-091-40 and M-091-46 - DOE-RL noted that letters were sent to Ecology and EPA notifying them that the FY13 target milestones will be missed.

Project Baseline Performance - DOE-RL stated that although some of the cost variances appear to be off quite a bit, the project baseline performance is contract-to-date, and the variances are a result of the time period between the start of the contract and the end of Recovery Act funded work. For the past year-and-a-half, the earned value data is close to zero for cost variance.

Actions Planned for Next Six Months - DOE-RL stated that the continued work with

Ecology on the Agreed Order and permit issues also includes closures required by the EPA Agreed Order. DOE-RL added that the closure plan needs to be submitted in approximately 120 days. Ecology referred to the letter from the state of New Mexico regarding its audit, and that the letter states DOE-RL will have to go through the certification process since no certification will be done during FY13. Ecology asked how long the recertification process will take. DOE-RL responded that the process would take about nine months and cost two to three million dollars. DOE-RL noted that a previous agreement for relief to not go through the recertification process had been received, and clarification will be requested at the next TRU Corporate Board meeting. DOE-RL added that maintenance is potentially scheduled at WIPP during the time that DOE-RL's TRU certification will be started up for shipment to WIPP, and an effort will be made to coordinate timing to avoid a de minimus shipment to WIPP.

EPA requested updates on the closure plans, per the EPA Agreed Order, during future quarterly milestone reviews.

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

Surveillance and Maintenance (S&M) Activities 3rd Quarter 2013 - DOE-RL provided an overview of the Waste Information Data System (WIDS) site S&M that was recently conducted. Some examples were provided with color photos. The 291-BA shack door would not close and was repaired. The 291-B fan door landing was repainted to fix contamination. The 275EA photo shows sheetrock falling off the ceiling, and no action was taken since the building is not occupied and poses no threat. The building will be torn down. The 231-Z fan room surveillance shows leakage from rain that comes through an access hatch that is repaired periodically. The 231-Z floor shows peeling of asbestos tile, and the only action is to not walk on the floor. 231-Z wall shows peeling paint. The outside 231-Z surveillance shows a potential asbestos elbow, which is in a location that no one will encounter. The next two 231-Z photos show tumbleweed buildup outside the facility. DOE-RL stated that due to the budget situation, MSA has established a site priority list to determine the priority for removing tumbleweeds. If the tumbleweeds don't present a hazard with ingress or egress of a building and are not a significant fire hazard, they are considered a lower priority. The current priority is to spray the new tumbleweed growth in contaminated areas.

The REDOX roof inspection shows an exposed beam. The procedure for repairing the covering has been approved and will be done in the next two weeks. Contamination was discovered on the ground under a PUREX nitric acid line, which is an open-ended pipe with a closed valve. The hypothesis was that there was liquid in the pipe that was leaking through the valve, and a bag was placed around the valve to continue collecting the water. The bag was removed and the valve was opened, and there was no liquid in the valve. The waste that was generated by the work around the pipe was cleaned up and removed. DOE-RL stated that the liquid was probably rainwater that drained between the area where the bag was sealed to the pipe and the insulation.

Milestone Status - DOE-RL noted that the change package for M-085-02 is on schedule,

and the remaining milestones are on schedule or deleted.

Project Baseline Performance - DOE-RL stated that the project is operating to a very small budget for S&M only, and there may be about a million dollar underrun at the end of FY13.

Planned Activities Next 6 Months - Ecology asked if B Plant should be included on the annual surveillances planned in the next six months. DOE-RL agreed that B Plant should be included on the list. EPA requested that DOE-RL issue a letter to EPA and Ecology providing its signature delegation authority for change packages. EPA referred to the sand filter and vaults at U Plant, and requested that DOE-RL get the characterization data to support the final design for the cap at U Plant. EPA stated that if a cap is placed over U Plant without knowing what is in the vaults and sand filter, the assumption will have to be made it is RCRA material and the cap will have to be built to RCRA standards. DOE-RL responded that obtaining characterization data is being worked.

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

Accomplishments - 3rd Quarter 2013 - DOE-RL stated that submittal of the Draft A of the RI/FS and proposed plan (PP) for 100-N completed submittal of the Draft A's for all of the near-term River Corridor RI/FSs and PPs. DOE-RL noted that the 100-BC RI/FS and PP were deferred so that additional sampling could be done. DOE-RL stated that the Draft A of the RD/RA work plan for 200-UP-1 was submitted. DOE-RL added that the Draft B of the 200-UP-1 work plan was resubmitted in June 2013, which isn't associated with a milestone, and that the Draft B has policy issues that need to be resolved. EPA stated that it has invoked informal dispute on the 200-UP-1 work plan. DOE-RL indicated that the dispute was associated with the schedule for the uranium treatment in 200-UP-1, and EPA concurred. DOE-RL requested clarification on EPA's interest, which is to add the uranium treatment as soon as possible and to defer treatment of the chromium plume in 200-UP-1. EPA responded that it is requesting a holistic schedule, and it has agreed that the chromium plume is a lesser priority than the uranium treatment. EPA noted that the chromium plume is still a priority.

Ecology asked if DOE-RL had received information that PNNL had been working on regarding the Orchard Land sampling for the 100-OL-1 operable unit. DOE-RL responded that PNNL still has the information on the use of XRF as a screening tool. DOE-RL stated that it's clear that XRF can be used as a screening tool, but concluded that XRF cannot be used as a basis for a decision and action. DOE-RL added that it is reevaluating its conclusion, and suggested having a discussion with Ecology and EPA regarding the reasoning to not use XRF. Ecology responded that there have already been several discussions, and it is not accepting the PNNL stance that it's not a tool that can be used.

DOE-RL asked Ecology to explain PNNL's technical position. Ecology stated that PNNL's technical position is that the levels for arsenic were low enough that there were

too many interferences, and that XRF could not be used as a screening tool. Ecology stated that EPA and Ecology responded to PNNL via letter requesting that PNNL do the screening for lead at 250 since the arsenic and lead would be co-located. Ecology added that it is still waiting for a response from PNNL. DOE-RL noted that the field screening would be the expensive driver. Ecology disagreed that the field screening would be the most expensive driver. DOE-RL acknowledged that the paradigm has changed with the guidance it received from EPA and Ecology.

DOE-RL stated that the discussion really centers around the actual cleanup level and action levels, not the sampling plan, and that a review by PNNL is needed. DOE-RL indicated that the discussion is more complicated than using XRF, and that DOE-RL has no issue with the use of XRF as a screening tool. DOE-RL stated that the issue is with future regulators who may question or challenge the use of XRF as an action level tool instead of a screening tool. EPA responded that it is not imposing the use of XRF as an action level tool, and the intent is to reduce the data set to a manageable and affordable level. Ecology noted that the state of Washington has used XRF at Hanford as part of the state-wide arsenic study. DOE-RL stated that it has used XRF routinely as well, but the question is whether it will meet the record of decision, and if gathering data points would have to be done in the field consisting of eight to ten square miles.

Ecology pointed out that the state of Washington conducts XRF on a production-line basis, and it has a website for arsenic and lead cleanup. Ecology asked if DOE-RL has consulted the state experts in Ecology. DOE-RL responded that XRF is an open action that is being worked internally. Ecology stated that XRF is used on orchard lands all over the state, and indicated that XRF would be a major cost saving for DOE-RL. Ecology acknowledged that DOE-RL will need to capture analytical data, but the cost for field work should not be that expensive.

DOE-RL stated that the issue won't be solved today, and offered to share its concerns outside of today's meeting. DOE-RL noted that since there now may be a different paradigm, and EPA and Ecology are asking a different question, that DOE-RL may reach a different conclusion.

DOE-RL stated that the final package associated with M-24-58F is in review. EPA stated that the package was sent to the EPA RCRA program, which had responded with some question, and that EPA and Ecology are working through the questions. DOE-RL asked if there was any indication that it did not follow through from the negotiations or discussions. EPA responded that there was no issue with DOE-RL, and that the questions are directed to EPA and Ecology and are associated with permitting.

<u>200 West Area Groundwater Treatment Facility</u> - DOE-RL stated that the 200 West Area groundwater treatment facility may have the potential to mitigate all of the problems in the Central Plateau, and that the treatment facility needs to be expanded to the 200 East Area to start addressing the deep vadose zone issues. DOE-RL noted that the highest priority in 200 West right now is the uranium capability. DOE-RL provided a brief history of the construction process used by the federal government, and noted that a draft

CD-0 for the construction start process has been submitted to DOE-Headquarters. DOE-RL stated that in response to a push-back, background information was also provided to DOE-Headquarters that uranium capability is a high priority and the parties are willing to defer other compliance activities to move the project up. However, the ability to use expense funded versus line item funding has been challenged. DOE-RL noted that the next opportunity to request line item funding on uranium capability would be in 2016. DOE-RL stated that it is working the issue internally and negotiations are being organized in an effort to shift some compliance work.

EPA referred to DOE-RL's goal to stop using ETF and use the 200 West groundwater treatment facility. DOE-RL noted the extra cost of startup to use ETF is 25 million versus 14 million for the 200 West groundwater treatment facility. DOE-RL added that the cost at ETF is $3 per gallon versus 1.5 cents per gallon at the 200 West groundwater treatment facility. EPA noted that the current ROD requires the K Basin water to go to ETF. DOE-RL stated that the K Basin water did enter into the discussion, and that a commercial skid may be used to treat the K Basin water. DOE-RL added that the intent is to keep ETF's permit open to allow for any renovations in support of the Waste Treatment Plant's mission. EPA stated that there will be paperwork involved if an alternate path is used for the K Basin water. DOE-RL acknowledged there will be a need for additional paperwork.

200-DV-1 - B Area Perched Water Extraction System - Ecology inquired about developing the Engineering Evaluation and Cost Analysis (EE/CA) for transferring the perched water to the 200 West treatment facility. DOE-RL stated that the EE/CA was drafted, even though there was no funding for that effort. DOE-RL added that the treatability test plan is being rewritten for the deep vadose zone, and rewrites of the TSD closure plans were done in-house as well. Ecology asked if DOE-RL had a target date for putting the perched water EE/CA out to the public. DOE-RL stated that there is not a target date. Ecology suggested getting that done within the next 90 days since the EE/CA process is supposed to be done quickly. DOE-RL responded that Ecology's suggestion was a good goal. EPA noted that a legal review of the EE/CA will need to be done.

Drilling and Decommissioning - DOE-RL referred to the decommissioned well near B Farm, which was in the perched water area, and noted that the term has been changed to transient perched water. Feedback from DOE-Headquarters was that perched water is usually isolated water and does not justify remediation. Headquarters was informed that it is transient perched water, and it is flowing into the aquifer and is a source of contamination. DOE-RL added that the estimates for the perched water is much more than originally envisioned, which were around 50,000 gallons, and are now up to the five million gallon range.

100-FR-3 RI/FS and Proposed Plan - EPA stated that the process of setting target dates is under way, and the F Area ROD is set for delivery in FY14.

100-D/H - EPA stated that the target for the 100-D/H ROD is set for FY15. EPA noted that the 100-N Area ROD is set for FY16. DOE-RL stated that there have been some

underruns, and there probably will be an opportunity to buy back some work that deferred due to sequestration and install up to eight wells in the D, H and K areas. DOE-RL noted that EPA and Ecology have provided excellent turnaround with getting the sampling and analysis plans (SAPs) moving again and finalized. DOE-RL stated that there may be lag time with getting the contracts in place, but it is pushing to get the work done in the fiscal year, if possible.

Ecology noted an issue with the 183-H permit modification for removing the one well that is in the way of remediation and putting in a new well. DOE-RL indicated that the certified modification for the permit mod is moving through the system and could be transmitted to Ecology today.

Milestone Summary - DOE-RL stated that the milestone table was updated to reflect the TPA change package that was approved during the last quarter to defer the 100-BC and 100-NR-1/2 milestones and put the new milestones in place. DOE-RL noted that M-015-76 has been delayed due to a cultural review. DOE-RL indicated that there is one well in question, and work is going forward with the remaining wells in 100-BC-1/2/5. DOE-RL added that some type of approval is still needed, which is close to being resolved. DOE-RL stated that no progress was made in working with the State Historic Preservation Office (SHPO), and it is now working with the national group to override the state. DOE-RL noted that the tribal issues should be resolved. DOE-RL stated that the addition of some aquifer tubes in 100-BC-1/2/5 is slightly behind schedule, but the schedule is recoverable. EPA stated that its position that DOE-RL doesn't need to obtain formal approval, and that CERCLA is specifically set up so that these types of issues don't cause a delay. DOE-RL stated that its legal reviewed the issue and is directing the path for resolution.

Planned Activities Next 6 Months:

100 K Area - DOE-RL stated that the SAP revisions will be submitted. DOE-RL added that there is a plan to organize a team within DOE-RL to review all the groundwater SAPs on site in the next three years, with the goal to complete the review in two years. DOE-RL noted that there are several mechanisms to add sampling requirements, but there are few mechanisms to determine whether sampling requirements are still needed. DOE-RL stated that another element of the SAP review would be to integrate documents to reduce the number of driver documents. Another goal is to develop a plan to review the SAPs on a yearly basis. DOE-RL suggested that Ecology and EPA identify personnel to work with the SAP team. Ecology agreed to identify personnel. EPA stated that a specific person would not be identified, and suggested that DOE-RL set up a briefing whenever a briefing is needed. EPA also suggested that DOE-RL work with the EPA lead in a particular operable unit.

EPA stated that until it is certain when the boreholes are going in around the reactor, that a definitive date can't be set for the K Area RI/FS, PP and ROD. DOE-RL agreed that it was prudent to not schedule it yet, but it is targeting FY15 so that samples can be completed next year.

100 N Area - EPA referred to the Applicable or Relevant and Appropriate Requirements (ARAR) waiver that is proposed in the N Area PP, and noted that the remedy will have to go before the Remedy Review Board. EPA added that the ARAR waiver is a difficult process for EPA and is the reason the N Area ROD is set in FY16.

300 Area - DOE-RL and EPA expressed confidence that the 300 Area ROD will be completed this year.

200-PW-1 Soil Vapor Extraction - EPA referred to DOE-RL's plans to put out a press release, which EPA objected to, regarding a report outlining the reasons that DOE-RL believed it had met the Remedial Action Objective (RAO). EPA noted that the report was not listed in today's handout. DOE-RL responded that the report will still be transmitted to EPA in the next six months, but the press release was deferred. DOE-RL stated that the report is in internal review, and depending on the outcome of the review, an independent review may be set up. EPA stated that it was involved in the broad investigation on behalf of DOE-RL, and that the report would be acceptable as long as the report takes into account all of the findings of the work, with plausible answers to the findings. DOE-RL added that EPA had requested that the report address the concern that carbon tet may be in the vadose zone via screening out or attempting to extract the carbon tet. DOE-RL stated that a whole grid was done in the vadose zone, and areas where indicators of carbon tet were located will be closed out. EPA added that the area to the south is of particular concern that should be addressed.

216-S-10 and 216-B-3 - Ecology stated that the draft closure plans submitted by DOE-RL were reviewed, and a letter transmitting all the deficiencies with the closure plans was sent to DOE-RL, which should have been received at the beginning of this week. Ecology noted that meetings have been held to discuss some of the issues with the closure plans, and there has been no response from DOE-RL on any of the issues. Ecology inquired about a time frame to address the closure plan deficiencies. DOE-RL responded that it is working through the process to resolve the issues, and that some of the issues will need to be escalated to upper management. Ecology asked if the parties will be following the TPA time frames, noting that they are very lengthy. DOE-RL responded that it is anxious to complete the process and it shouldn't take as long as the TPA process. Ecology stated the reason for driving completion of the closure plans is they have to be submitted when the RCRA permit goes out again, and the closure plans have to be acceptable to Ecology in order to include them in the RCRA permit. Ecology noted that the permit is reissued every ten years. There was a brief discussion regarding CERCLA actions that should be aligned with closures in the RCRA permit. DOE-RL suggested bringing the issue to the Senior Executive Committee (SEC) for discussion. Ecology agreed that the issue would be a good topic for discussion at the SEC, although EPA and Ecology expressed doubt that the discussion would result in any change.

Ecology noted that in 2005, DOE-RL's CERCLA PP was to dig up 15,000 cubic yards of soil in 216-S-10. Ecology stated that the closure plan for the work would entail a 20-page document and could incorporate the details from the CERCLA PP, which should not

take the time and money that DOE-RL is spending on the inner and outer area closure plans. EPA stated that DOE-RL should be able to issue the closure plans, and expressed confidence that the closure plans would be consistent with the final actions under CERCLA. EPA cited NRDWL as an example, and that DOE-RL just needs to incorporate those actions into the closure plan. DOE-RL stated that the closure plan doesn't consider the radiological contaminants that aren't there and therefore only is considering part of the contaminants. Ecology responded that that is DOE-RL's choice, and it could consider them by including caveats stating that a holistic plan is being done to consider those contaminants, but they are not regulated. Ecology added that there is caveat language in the general conditions of the permit. EPA stated that if DOE-RL follows the TPA, which contemplates the caveat language in the general conditions, it would solve the problem.

Thursday, July 18, 2013
Ecology Offices, Conference Room 3A/B
3100 Port of Benton Blvd
Richland, Washington

Agenda

River Corridor/Central Plateau Milestone Review Meeting
Chairperson: JD Dowell

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	Roger Quintero
9:05 a.m.	M-83	PFP Closure	Bryan Foley
9:25 a.m.	M-16, 26 and 91	Solid Waste Stabilization and Disposition	Mike Collins
9:35 a.m.	M-16 and 85	Central Plateau Remediation	Al Farabee
9:40 a.m.	M-15, 16, 24, 37 and 85	Soil and Groundwater Remediation	Briant Charboneau
10:00 a.m.	Adjourn Milestone Review		

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

Name	Organization
Terry Noland	MSA
Kathy Knox	Knox Court Reporting
ROB PIIPPO	MSFI
Roger Quintero	DOE-RL
Mark French	DOE-RL
Ron Skinnarland	Ecology
Rick Bond	Ecology
Donna Yasek	WCH
John Price	ECY
Cheryl Whalen	Ecology
Nina Menard	Ecology
Stanley Cimon	ODOE
Dennis Faulk	EPA
JANE HEDGES	ECOLOGY
J. A. Dowell	DOE
GEOFF SCHRAMM	EPA

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

Name	Organization
KIM WELSCH	ECOLOGY
Alex Nazarali	CTUIR
Reed Kaldor	MSA
Margo Voogd	DOE
Melinda J Brown	Ecy NWP
Gordon Dover	WCH
Jeb Blackburn	WCH
Regena Williamson	WCH
Lorna Dittmer	CHPRC
Tom Teyner	DOE-RL
AL Farabee	DOE-RL
Elis Ebeslein	ECY
Deborah Singleton	ECY
Michael Collins	DOE
Brian Charboneau	DOE
Dib Goswami	Ecology

RIVER CORRIDOR CLOSURE PROJECT

DOE's Largest Environmental Cleanup Closure Project

TPA Quarterly Review

For Period: April - June 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

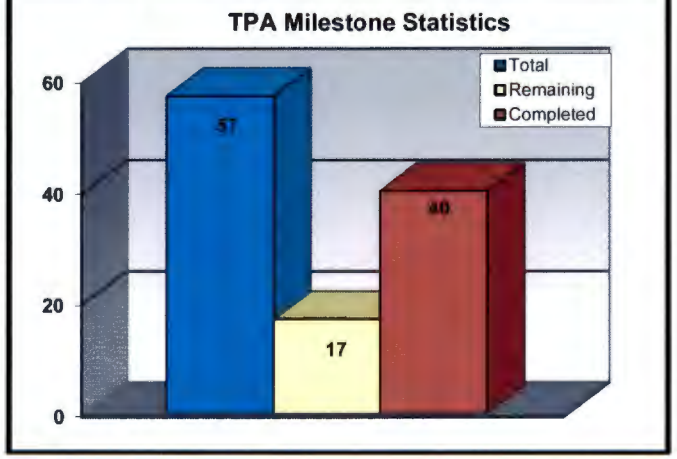
July 18, 2013

Protecting the Columbia River

E1301026_1

TPA Milestone Statistics
(Includes Target and Commitment Milestones)

Total	Remaining	Completed	Completed On	Completed Ahead
57	17	40	5	35



Quarterly Summary (April – June 2013)

- **Completed TPA Milestones:**
  - M-94-09 – Complete the Selected Removal and/or Remedial Actions for 13 of the Following High Priority Facilities: 305B, 306E, 306W, 307 Retention Basins, 308, 309, 321, 323, 324, 324B, 326, 327, 329, 333, 340, 340B, 3706, and 3720; to include the 323 Facility (due 9/30/13) – 4/17/13

- **Approved Change Requests:**
  - M-16-12-06, approved 4/25/13, added new milestones to track continued progress of 100 Area interim remedial actions and revised completion dates for M-16-00A, M-16-55, and M-16-145.
  - M-16-13-02, approved 4/9/13, corrected the scope to remove reference to 300-15 and extended completion date for M-16-75.
  - M-89-12-02, approved 4/30/13, added new interim and target milestones and revised completion date for M-89-00.
  - M-94-12-04, approved 4/30/13, added a new interim milestone and revised 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)				
M-16-75	03/31/14	Initiate Substantial and Continuous Remediation on 309 Facility Dedicated Radioactive Liquid Waste Sewer (300 RLWS) and associated Process Sewer Systems	On schedule	309 reactor core removal has been impeded by structural issues with one of the reactor shielding walls.
M-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 sensitivities associated with 100-K-93 and 100-K-111 could extend field activities. If appropriate, a change request will be proposed after schedule impacts have been assessed.
M-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				
M-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	Complete	Milestone completed 04/17/13.

Significant Accomplishments – For Last 3 Months:

M-16 – Remedial Action / Risk Assessment

- Completed loadout at 100-C-7:1 and awarded backfill subcontract.
- Completed closure sampling activities and continued closure documentation at 100-C-7:1, including stockpile areas.
- Continued super dump truck loadout campaign for 100-D/H Areas.
- Continued remediation/sampling activities for new 100-IU-2/6 and Segment 4 waste sites.
- Continued remediation activities at 100-N Area.
- Received approval of 30 waste site closure documents during this reporting period.
- Issued 100-FR-1 OU Interim Remedial Action Report.
- Continued field planning for proposed characterization activities at 100-K-111 and 100-K-64 waste sites.

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

- Initiated subcontract procurement activities for remediating contaminated soil under B-Cell.
- Continued infrastructure evaluations to maintain minimum safe operations of the 324 Complex.

M-94 – 300 Area Surplus Facilities Disposition

- Completed removal of 3730 Gamma Irradiation Facility small hot cells for transport to ERDF.

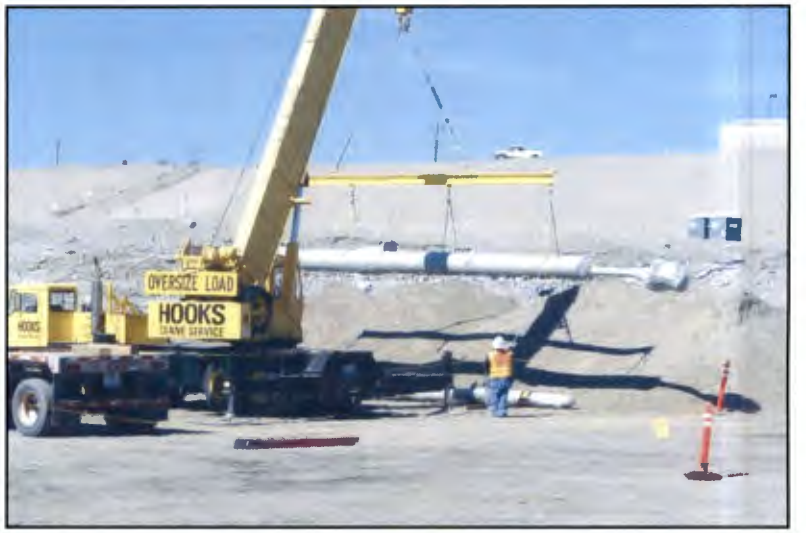
100-C-7:1 Aerial

100-H Aerial

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

ERDF

- For period April-June, disposed ~ 249,000 tons of waste; bringing total to ~ 14.9 million tons disposed in ERDF with a forecast to reach 15 million tons by July 1.
- Safely retrieved 618-10 drums from ERDF that were suspect TRU.
- 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 and finalization of report in June.



Placement of Macroencapsulated Waste at ERDF

Significant Actions Planned – For Next 3 Months:

M-16 – Remedial Action / Risk Assessment

- Continue excavation/loadout of sites at 100-N Area.
- Complete method evaluations for characterization of 618-10 vertical piping units for radiological determination.
- Perform characterization at 100-K shoreline.

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.
- Continue subcontract procurement activities for remediating contaminated soil under B-cell.

M-94 – 300 Area Surplus Facilities Disposition

- Continue preparation for removal of 340 Vault and transport to ERDF.
- Complete removal of 3730 large hot cell.

ERDF

- Overpack and nondestructive assay of 618-10 drums.
- Transmit Rev. 1 of ERDF performance assessment to RL.

PERFORMANCE SUMMARY

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

($K)

	IPB		CUMULATIVE			Previous Quarter Comparison			
						SCHEDULE VAR ($)		COST VAR ($)	
	BAC	EAC	BCWS	BCWP	ACWP	*Mar*	Jun	*Mar*	Jun
D4	616,699	605,264	595,550	581,369	477,167	*-16,317*	-14,182	*107,322*	104,202
Reactor ISS	75,883	82,376	75,883	75,617	82,114	*-961*	-266	*-6,856*	-6,498
Field Remediation	807,653	915,405	680,706	653,417	617,334	*-12,788*	-27,289	*44,986*	36,083
Waste Operations	592,700	468,645	462,395	511,897	401,130	*59,698*	49,502	*112,359*	110,767
ESFC	76,437	62,937	73,972	68,921	55,269	*-3,228*	-5,051	*13,228*	13,652
Mission/General Support	362,386	366,552	340,423	340,423	300,501	*0*	0	*43,959*	39,922
Transition	3,979	3,747	3,979	3,979	3,747	*0*	0	*232*	232
Contingency	0	0							
TARGET COST TOTAL	**2,535,738**	**2,504,926**	**2,232,909**	**2,235,623**	**1,937,263**	***26,404***	**2,715**	***315,229***	**298,361**

Schedule Variance (PMB): $2,715K

- ERDF transportation, treatment, and disposal support to accelerated work in FR and D4 Projects. Positive schedule variance for this scope is eroding as the planned baseline period of performance occurs in current periods for work that was previously performed ahead of schedule. The SPI will continue to trend down from its current ITD of 1.01 to 1.0 at project completion.
- Negative variance associated with remediation delays at 100-D, 100-N, remaining waste sites around 309 building, and 618-10/11 hazardous work curtailment..

Cost Variance (PMB): $298,361K

- Significant underruns experienced in 300 Area building characterization, deactivation, and demolition activities; and in utility charges and surveillance and maintenance activities.
- 100-B/C, 100-D, 100-F, and 100-IU-2/6 remediation underruns due to favorable subcontract rates, 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 fourth shoring caissons under the 340 vault, higher source term and soil contamination levels were encountered under the vault. Inspections and sampling confirmed that the vault leaked during operations at or near the sump location.

  Status: Completed radiological source term and nuclear safety evaluations. The 340 facility hazard safety evaluation report was revised and approved by DOE in early June. The schedule was revised to incorporate the new work scope required to address the increased soil contamination. Work activities resumed and the vault macroencapsulation is complete. The vault is scheduled to be shipped to ERDF in October.

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

Third Quarter FY2013
July 18, 2013

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL
Plateau Remediation Company

Accomplishments – 3rd 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)***
  - *Continued work on final design of sludge retrieval and transfer system – nearly complete.*
  - *Completed the Engineered Container Retrieval and Transfer System (ECRTS) Preliminary Documented Safety Analysis (PDSA).*
  - *The ECRTS 90% design Remedial Design Report was approved by EPA.*

Accomplishments – 3rd 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)***
  - *The 105-KW Annex construction site has been placed in a safe and stable condition in June following suspension of construction in March.*
  - *Completed the Constructability Review for the 105-KW Annex. Resulting actions are being incorporated into the field execution schedule to support a restart of construction activities later this summer.*
  - *Continued Preparation of the ECRTS Integrated Process Optimization Demonstration (IPOD) at MASF.*

Accomplishments – 3rd Quarter 2013

105KE Reactor Interim Safe Storage

- *Completed Facility Hazard Categorization (FHC) for 105-KE Reactor Building*

Transitioned 142-K Cold Vacuum Drying Facility (CVDF) to the 100K maintenance organization.

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~~	Deleted
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~~	Deleted
M-093-28	12/31/2015	Submit Change Package for Proposed Interim Milestones for 105-KE/KW Reactor Interim Safe Storage	On Schedule (new milestone)
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-KE and 105-KW Reactor Interim Safe Storage in Accordance with the RAWP	On Schedule
M-016-00C	12/31/20	Complete All Response Actions in the 100 K Area	On Schedule

Project Baseline Performance

Contract to date through June 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	121.3	120.1	97.8	-1.8	22.3	287.7	267.7	20.0	.99	1.23
Total	**301.0**	**299.8**	**279.1**	**-1.8**	**20.7**	**467.5**	**449.0**	**18.4**	**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	**381.5**	**367.8**	**371.9**	**-13.7**	**-4.2**	**606.5**	**634.0**	**-27.5**	**0.96**	**.99**

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

Sludge Treatment Project

- **KW Fuel Storage Basin Modified Annex Construction**
  - *Resume construction of the 105-KW Annex.*

- **Engineered Container Retrieval and Transfer System (ECRTS)**
  - *Submit the ECRTS Critical Decision-2/3 package to DOE-RL for review and approval.*
  - *Perform Integrated Process Optimization Demonstration testing.*
  - *Initiate procurement of ECRTS process system equipment.*

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 Surveillance and Maintenance

- *Approve and Implement FHC*
- *Perform annual surveillance of the reactor building*

Maintain 100K Area Minimum Safe Configuration

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

CH2MHILL Plateau Remediation Company

CH2MHILL
Plateau Remediation Company

PFP Closure Project

TPA Milestone: M-083

Tri-Party Agreement

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

3rd Quarter 2013
July 18, 2013

U.S. DEPARTMENT OF ENERGY

One Culture. One Team.

Quarterly Milestone Summary

(April - June 2013)

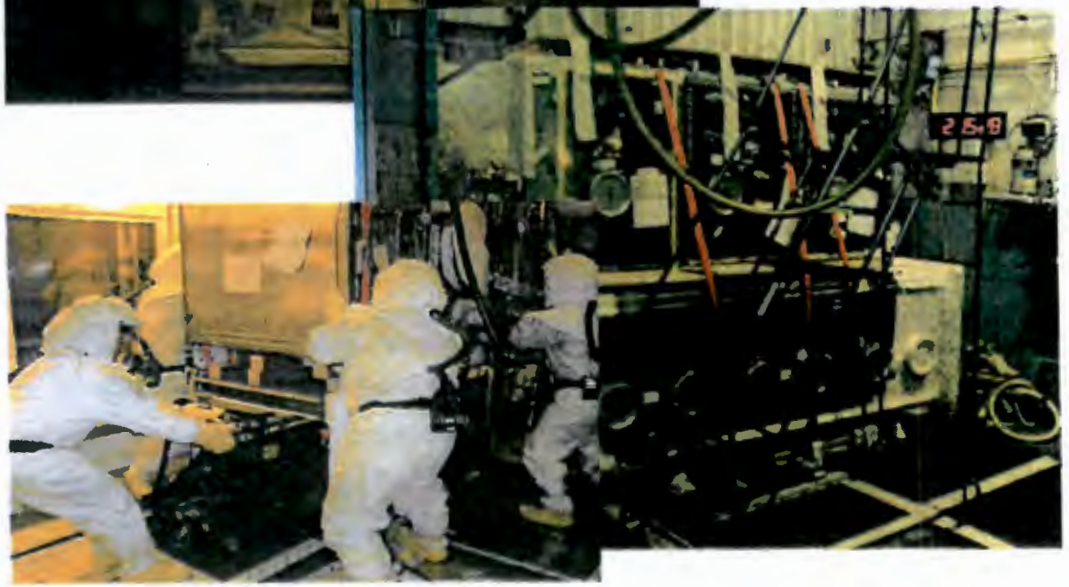
TPA Milestone	Due Date	Status	Milestone Description
M-083-24-T01	09/30/16	On Schedule	Submit Rv. 0 of the PFP Complex S&M Plan to Ecology
M-083-44	09/30/15	In Jeopardy	Complete transition of 234-5Z & -ZA, 243-Z, 291-Z and 291-Z-1 buildings to support PFP decommissioning deactivate and prepare for dismantlement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

Accomplishments – 3rd Quarter

- Performing Work Safely: More than 325,773 hours without a lost work day in FY2013
- Completed removal of 195 of 238 Gloveboxes (82%)
- Continued Backside Rooms & RMA/RMC Glovebox deactivation activities:
  - ➢ Removed 6 glovebox equivalents in last 3 months
- Partnered with CHPRC in Value Engineering (VE) Study and identified actions to safely and compliantly enhance acceleration of D&D activities
  - ➢ Reduce dependence on aging support systems
    - ✓ Replace with temporary safety systems with equal safety
  - ➢ Reduce dependence on aging support systems
    - ✓ Replace with temporary safety systems with equal safety

Separating glove box HA-10 & HA-11 in Room 235

Below: Completed 3 glove boxes from room 228-B; HC-15 A, B & C



Above: Completed 3 glove boxes from rooms 235A-2/3; HA14CC, HA13C & HA-13B

Accomplishments – 3rd Quarter cont'd:

VE Study cont'd:

- Re-sequencing work
  - ✓ Keeping commitment to address high -hazard risks first
  - ✓ Addressing holdup materials in glove boxes first
  - ✓ Taking a more holistic approach
- Preparing for Demolition: the Path Forward
  - ✓ Relocate personnel to establish demolition zone
  - ✓ Establish D&D team and realign teams to accomplish enhanced strategy
  - ✓ Reduce Shift complements
- More robust communications
  - ✓ Operational to Closure Culture Challenges

Establish the demolition footprint

- Risk Evaluation Board established to evaluate proposed strategies outside current contractor authorization and recommend formal submittal of strategies that have merit to improve long term risk posture
- Continued PRF Canyon Crane Repair: commenced repair of hoist up and down function : (replaced festoon cables & Konecranes [manufacturer] evaluation).

Accomplishments – 3rd Quarter Cont'd:

FY2013 Key Performance Goals	FYTD	Complete
Remove 15 gloveboxes	10	66%
Dispose of 20 pencil tank units	15	75%

- Removed 146 feet of asbestos insulation in the duct level for a total of 17,491 feet removed (73% of the total 24,000ft.)
- Continued disposition of Process Vacuum System Piping (36%; 2,545ft. of 6,987 ft.) & Process Transfer Lines (94%; 1,088 ft. of 1,154 ft.)
- Performed required min-safe inspections, surveillances and maintenance activities

Project Baseline Performance

Contract to-Date (through June 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	$619,277.9	$591,397.5	$615,732.3	($27,879.4)	-4.5%	($24,334.9)	-4.1%	$940,254.5	$964,589.3	($24,334.8)
ARRA	$287,891.5	$287,891.5	$297,589.3	0	0%	($9,697.8)	-3.3%	$287,891.5	$297,589.3	($9,697.8)
Base	$331,385.4	$303,506.0	$318,143.0	($27,879.4)	-8.4%	($14,637.1)	-4.8%	$652,363.0	$667,000.0	($14,637.0)

Issues/Challenges

Regulatory Issue:

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

Non-Regulatory Issues:

- Managing culture change from operations to closure
- Remaining gloveboxes are significantly more difficult to remove than planned.
- Equipment failures associated with aging building systems/components (e.g. PRF crane) impacting D&D
- Utilization of current resources/staff productivity
- Staff stability; 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 installation of vibration/temperature switches on EF-2
- Complete PRF filter bank replacements.

234-5Z RMA/RMC Lines

- Complete Glove Box Foaming Demonstration
- Continue Glovebox HA-9A stripout and chemical line removal
- Complete removal of all gloveboxes in Room 235A-2, Room 227, Room 228B, 228C

Balance of 234-5Z

- Continue all activities to bring 243-Z Low Level Waste Treatment facility to "cold & dark" status by end of calendar year 2013

236-Z PRF

- Complete repairs to canyon crane festoon cables
- Size reduce pencil tanks 127, 38(failed), and 16
- Complete all work to isolate gallery gloveboxes
- Complete mercury removal from column gloveboxes

Establish Demolition Footprint

- Continue moving people out of 234-5Z and out of those ancillary infrastructure buildings currently located in the demolition footprint

Department of Energy – Richland Operations Office

Solid Waste Stabilization and Disposition Project RL-0013 Milestone Review

M-091/M-026

Third Quarter FY 2013
July 18, 2013

EM Environmental Management
safety ❖ performance ❖ cleanup ❖ closure

www.em.doe.gov

Accomplishments – April-June 2013

- M-026-01 – Submitted 2013 Land Disposal Restrictions Summary Report (for CY 2012) on 04/11/13

- M-091-03 – Submitted 2013 Project Management Plan on 06/12/13

Milestone Status

- M-026-01 Land Disposal Restrictions Report – Preparing responses to Ecology comments
- 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 will be retrieved in FY 2013, Ecology and EPA were informed 05/23/13
  - There were no substrate sampling and analysis results on April-June 2013
- M-091-41 Retrievably Stored Waste (RH) – Complete non-caisson retrieval by 09/30/16 – No waste to be retrieved in FY 2013
- M-091-42 MLLW (CH, small container) – Complete treatment by 09/30/17
  - No M-091-42 waste will be treated in FY 2013
  - 25 m^3 are in aboveground storage

Milestone Status

- M-091-43 MLLW (RH and large container) – Complete treatment by 09/30/17
  - No M-091-43 waste will be treated in FY 2013
  - 42 m^3 are 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 will be repackaged into a WIPP-certifiable waste form in FY 2013, Ecology and EPA were informed 05/23/13
  - 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 will be repackaged into a certifiable waste form in FY 2013
  - 1,802 m^3 are in aboveground storage (includes newly-generated waste)

Project Baseline Performance

Contract to Date through June 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	43,166.7	43,166.7	41,995.5	0.0%	2.7%
Waste Receiving and Packaging Facility (WRAP)	31,160.5	31,160.5	33,824.6	0.0%	-8.5%
T Plant	52,962.6	52,962.6	47,078.0	0.0%	11.1%
MLLW Treatment	43,182.5	43,182.5	37,190.6	0.0%	13.9%
TRU Waste Retrieval	99,991.6	99,991.6	112,268.9	0.0%	-12.3%
TRU Waste Repackaging	45,739.4	45,739.4	42,187.6	0.0%	7.8%
TRU Waste Disposition	30,934.4	30,934.4	22,345.0	0.0%	27.8%
Project Management	81,168.1	81,168.1	78,662.4	0.0%	3.1%

Actions Planned for Next Six Months

- Continue surveillance and maintenance activities at CWC, WRAP, T Plant, and the LLBGs
- Continue supporting permitting and compliance activities
- Continue to work with Ecology on the Agreed Order and permit issues
- Submit Quarterly Burial Ground Sampling Results
- Respond to comments on the 2013 submission of the M-026-01 Land Disposal Restrictions Summary Report
- Respond to comments on the 2013 submission of the M-091-03 Project Management Plan

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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

Third Quarter FY2013
July 18, 2013

Tri-Party Agreement

U.S. DEPARTMENT OF ENERGY

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Accomplishments – 3rd Quarter 2013

TPA Milestones

- *None completed during 3rd Quarter 2013*

Complete Waste Information Data Services (WIDS) Site Surveillances

- *Completed 200E Tri-Annual Area WIDS site surveillances*
- *Completed Quarterly TSD WIDS site surveillances*

Complete Surveillances

- *Completed B Plant, 231-Z, 222-T, 242B/BL, 275EA and other miscellaneous facilities annual surveillance*
- *Completed the Reduction-Oxidation (REDOX) Tri-Annual facility roof inspection*

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Accomplishments – 3rd Quarter 2013

Minimum Safe/Maintenance Activities

- *Performed asbestos cleanup at Plutonium Uranium Extraction Plant (PUREX) and B-Plant*
- *Drained PUREX nitric acid line*
- *Established boundaries on 216-B-57 WIDS site due to contaminated rabbit droppings and reduced the soil contamination to a smaller footprint*
- *Removed Potential Asbestos Containing Material piping from 291-U roof*
- *Completed the Five Year 231-Z Roof Structure inspection*
- *Completed monthly preventive maintenance activities and radiological facility surveillances*

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Surveillance Activities – 3rd Quarter 2013

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Surveillance Activities – 3rd Quarter 2013

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Surveillance Activities – 3rd Quarter 2013

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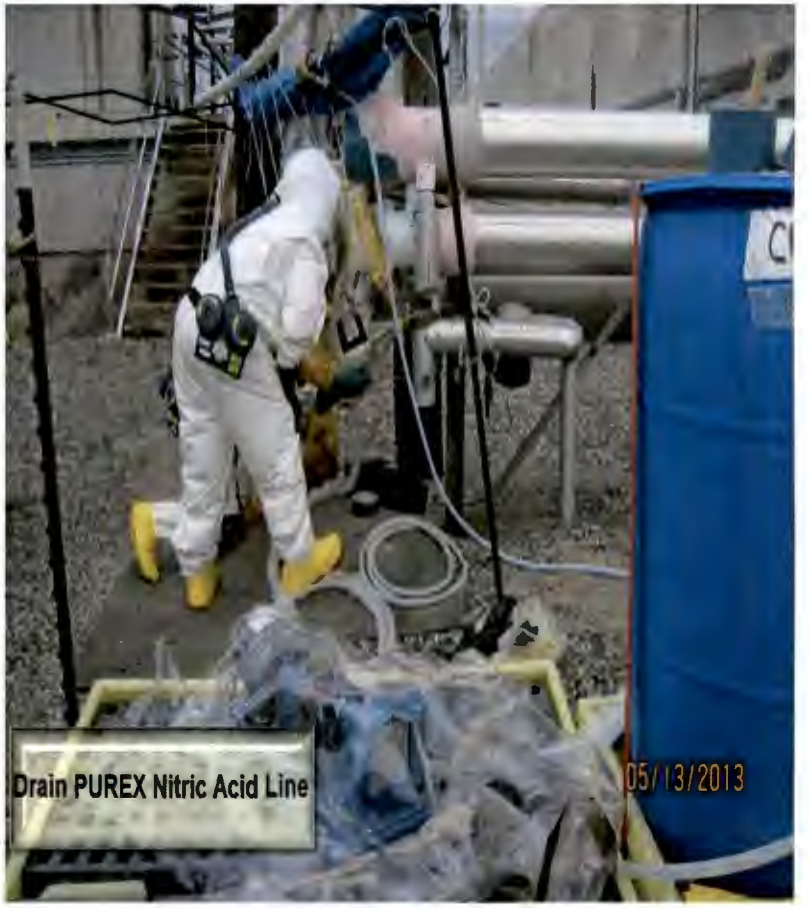
Maintenance Activities – 3rd Quarter 2013



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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*	9/30/22	Submit Change Package to establish date for major Milestone M-85-00	MILESTONE DUE DATE EXTENDED TO 2022
~~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.~~	DELETED
M-085-02*	9/30/15	Submit change package to establish schedule for submittal of RI/FS Work Plans for 200-CB-1, 200-CP-1, and 200-CR-1 OUs and a schedule for submittal of the RAWP for 224B and 224T Plutonium Concentration Facilities.	ON SCHEDULE (new milestone)
~~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.~~	DELETED
~~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.~~	DELETED
~~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.~~	DELETED
~~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.~~	DELETED
~~M-085-60*~~	~~03/31/18~~	~~Complete EE/CA Report(s) for all Tier 2 Facilities listed in Appendix I~~	DELETED
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

***Renegotiation of the M-085 Milestone series was complete on April 25, 2013.**

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Project Baseline Performance

Contract to date (Through June 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	31.9	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	87.6	87.3	78.0	-0.4	-0.3	9.3	10.6	203.2	194.0	9.2
Total	**373.1**	**372.8**	**344.6**	**-0.3**	**-0.1**	**28.2**	**7.6**	**488.7**	**460.6**	**28.1**

Numbers are rounded to the nearest $0.1M.

Planned Activities
Next 6 months

- *Perform 241CX, U Plant, PUREX, REDOX, 224T Annual Surveillances*
- *Pump PUREX Condensate Tanks*
- *Abandonded Steam Line Surveillance*
- *PACM (Potential Asbestos Containing Material)WIDS Site Surveillance*
- *PUREX Tank 30 Asbestos Clean-Up*

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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

Third Quarter FY2013
July 18, 2013

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Accomplishments – 3rd Quarter 2013

- **Completed TPA Milestone M-015-95**

  Submit Remedial Investigation/Feasibility Study work plan for the 100-OL-1 OU to EPA and Ecology. (April 24, 2013)

- **Completed TPA Milestone M-015-75**

  Submit Draft A of the Remedial Investigation/Feasibility Study Report and Proposed Plan for the 100-NR-1 and 100-NR-2. (June 24, 2013)

- **Completed TPA Milestone M-016-126**

  Submit Draft A RD/RA Work Plan for 200-UP-1 to EPA. (April 2, 2013)

- **Completed TPA Milestone M-024-58F**

  Initiate Discussions of Well Commitments. (May 20, 2013)

- **Completed TPA Milestone M-037-03**

  Submit Revised Closure Plans for 216-B-3 & 216-S-10. (April 18, 2013)

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Accomplishments – 3rd Quarter 2013

200 West Area Groundwater Treatment Facility

- *Operating 24 hours/day, 7 days/week*
- *Pump-and-treat throughput ranges between 2.2M and 2.9M gallons/day (1,522 gpm to 2,007 gpm)*
- *Average contaminant concentrations are being reduced to less than specified ROD cleanup levels*

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

- *Removed 24,392 gallons of effluent from the perched water zone, including extraction of*
  - *3.4 kilograms of uranium*
  - *58.8 kilograms of nitrates*
  - *4,709,034,000 pCi of Tc-99*

River Corridor and Central Plateau Groundwater

- *Treated 529.6 million gallons of groundwater - Achieved FY goal to treat 1.4 Billion gallons*
- *Removed 11,362 kg of contaminants from the groundwater*

Drilling and Decommissioning

- *4 wells drilled at 200-ZP-1*
- *2 wells decommissioned; A4844 (near B Farm) and C6542 (near the Evaporator)*

Sampling

- *2,137 samples collected*
- *4,055 analyses performed*

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Accomplishments – 3rd Quarter 2013

100-FR-3 RI/FS and Proposed Plan

- *Comments from EPA on the Draft A RI/FS were incorporated*
- *RI/FS updated to include latest IRIS value and waste sites remediated as of March 31, 2013*
- *EPA in agreement on the Preferred Remedy—Source Removal, Monitored Natural Attenuation and ICs*

100-BC-5 Addition Monitoring Well and Aquifer Tube Installation

- *TPA Change Notice for SAP and Work Plan Addendums were approved*
- *Mobilization activities continued for drilling and aquifer tube installation*

100-D/H

- *Operating two newly realigned extraction wells*
- *Initiated 100-HR-3 Well Installation Sampling and Analysis Plan –implements innovating approach by preparing one document that covers all current and future well installation*

100-K

- *Initiated 100-KR-4 Well Installation Sampling and Analysis Plan –implements innovating approach by preparing one document that covers all current and future well installation*

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Accomplishments – 3rd Quarter 2013

Lime System at 200West P&T

Groundwater Monitoring Wells

U.S. Senator Patty Murray, DOE-RL Manager Matt McCormick , and VP of S&GRP for CHPRC, Bob Popielarczyk, talk about cleanup progress on the Hanford Site.

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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~~	~~Submit RI/FS Report and PP for 100-BC-1/2/5 OUs for GW and Soil~~	**DELETED**
~~M-015-62-T01~~	~~9/17/12~~	~~Submit FS/PP for 100-NR-1/2 OUs Including GW and Soil~~	**DELETED**
M-015-00D	12/31/12	Submit PP for all 100 & 300 Area OUs to Complete RI/FS Process	**COMPLETE**
M-015-95	4/30/13	Submit RI/FS Work Plan for 100-OL-1 to EPA & Ecology	**COMPLETE**
M-015-75	6/30/13	Submit RI/FS Report and PP for the 100-NR-1 source OU and 100-NR-2 groundwater OU	**COMPLETE (new milestone)**
M-015-76	11/30/13	Install additional wells monitoring network as specified in revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	**BEHIND SCHEDULE (new milestone)**
M-015-77	11/30/13	Install additional aquifer tubes as specified in revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	**BEHIND SCHEDULE (new milestone)**
M-016-00	**Complete Remedial Actions for all Non-Tank Farm and Non-Canyon Operable Units**		
M-016-126	6/24/13	Submit Draft A RD/RA Work Plan for 200-UP-1 to EPA	**COMPLETE**
M-024-00	**Complete Well Installations with RCRA/CERCLA Requirements**		
M-024-58F	6/1/2013	Initiate Discussions of Well Commitments	**COMPLETE**
M-024-64-T01	8/1/2013	Conclude Discussions of Well Commitments	**PENDING**
M-037	**RCRA Closures**		
M-037-03	4/30/2013	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.	**COMPLETE**

Project Baseline Performance

Contract to date through June 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	542.9	535.6	522.0	-7.2*	-1.3	13.5	2.5	1,155.0	1,133.3	21.6
Numbers are rounded to the nearest $0.1M.										

* Schedule variance impacts to RL-0030 are due to well drilling delays for H, K, ZP-1, and M-24 wells due to sequestration impacts; BC-5 well drilling delays due to cultural and ecological review issues; and the geophysical logging activities supporting the well drilling activities are also impacted/delayed.

Planned Activities

Next 6 months

100 BC-5 Area

- *Commence drilling of monitoring wells and aquifer tubes*
- *Initiate two-year cycle of enhanced monitoring for hexavalent chromium*

100 K Area

- *Submit Integrated Monitoring Plan and RD/RAWP for regulatory reviews*
- *Obtain concurrence from EPA on the 100-KR-4 Well Installation SAP*

100 F/IU Area

- *Provide EPA Rev. 0 of the RI/FS and PP for Public Review*
- *Support Responsiveness Summary and ROD preparation*

100 D&H Area

- *Resolve Ecology comments and initiate RI/FS and PP updates*
- *Submit Integrated Monitoring Plan and RD/RAWP for regulatory reviews*
- *Obtain concurrence from EPA, and Ecology on the 100-HR-3 Well Installation SAP*

100 N Area

- *Complete Draft A RI/FS & PP review/comment resolution and revise documents*

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Planned Activities

Next 6 months (cont.)

300 Area

- *Provide EPA Rev. 0 of the RI/FS, RI/FS Addendum and PP for Public Review*
- *Support Responsiveness Summary and ROD preparation*

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

- *Complete 200-West P&T OTP*
- *Begin drilling and sampling of next 4 extraction/injection wells for 200 West P&T.*
- *Finish installing in-line Tc-99 monitor between ion exchange columns.*
- *Issue updated 200 West P&T Operation and Maintenance Plan*

200-UP-1

- *Finalize the 200-UP-1 RD/RA Work Plan and associated draft TPA change package*

200-PO-1

- *Revise assessment plan for WMA A-AX*

Issue Annual Reports

- *Issue Hanford Site Annual Groundwater Monitoring Report*
- *Issue Annual 200 West Groundwater Modeling Report*
- *Issue CY12 100 Area and 200-ZP-1 Annual Pump &Treat Performance Reports*
- *Issue CY12 200-PW-1 Soil Vapor Extraction Annual Report*

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Hanford Federal Facility Agreement and Consent Order
IAMIT Milestone Review form
(For Milestones without Issues or Significant Activity)

M-036-01, Hanford Lifecycle Report **Date: July 18, 2013**

1. Milestone Description and Deliverable

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

2. RL Program Managers Assessment of Contractor Performance

- The contractor responsible for the Lifecycle Report is Mission Support Alliance, Portfolio Management.
- Contractor performance is very good, meeting all schedules and producing high quality products.

3. Significant Accomplishments for the last three months

- Continued work on the scope, schedule and cost requirements and developing source data for producing the 2014 Lifecycle Report. The 2014 Lifecycle Report will not include an alternatives analysis.
- Participated in the Tri-Party Agreement Quarterly Milestone Review Meeting on April 18, 2013 and conducted an M-036-01 Project Manager Meeting on May 13, 2013.
- Provided agency perspective to the Hanford Advisory Board (HAB) Budgets and Contracts Committee on April 11, 2013, May 7, 2013 and to the full HAB on June 6-7, 2013 during development of Consensus Advice #267.

4. Significant Planned Actions for the next six months

- Continue work on the scope, schedule and cost requirements for producing the 2014 Lifecycle Report.
- Hold an M-036-01 Project Manager Meeting on July 8, 2013.

5. Budget/Cost Status

- No issues identified.

6. Issues

- No issues identified.

7. Non-TPA Regulatory Issues/Potential Impacts to TPA

- No issues identified.

Note: Approved form to be submitted to IAMIT members 7 days prior to schedule Milestone Review.

DOE Project Manager

Ecology Project Manager

EPA Project Manager