0092076

Central Plateau
Tri-Party Agreement Milestone Review
Meeting Minutes
October 21, 2010

Approval: _____ Date: 11/18/10
J. Hedges
Ecology IAMIT Representative

Approval: _____ Date: 11/18/10
R. A. Holten
DOE IAMIT Representative, Chairperson

Approval: _____ Date: 11/18/10
D. A. Faulk Fed. Labs For.
EPA IAMIT Representative

Minutes Prepared by: _____ Date: 11/22/10
T. W. Noland
Mission Support Alliance, LLC

Black D.G.*	CHPRC
Bloom, R.W.*	CHPRC
Bond, R.	Ecology
Bohnee, G.	NPT
Call, P.K.	RL
Cameron, C.E.*	EPA
Chapin, D.H.	RL
Charboneau, B.L.	RL
Cimon, S.*	ODE
Collins, M.S.*	RL
Donnelly, J.W.	WCH
Einan, D.R.*	EPA
Engelmann, R.H.	CHPRC
Farabee, O.A.	RL
Faulk, D.A.	EPA
Foley, B.L.*	RL
Foss, D.L.*	CHPRC
Franco, J.R.	RL
Gadbois, L.E.	EPA
Goswami, D.	Ecology
Harris, S.	CTUIR
Hedges, J.	Ecology
Holten, R.A.	RL
Jaraysi, M.N.	CHPRC
Jim, R.	Yakama
Jones, M.E.	Ecology
Knox, K.E.*	KCR
Louie, C.S.*	RL
Matthews, J.	Nez Perce
Mattlin, E.M.*	RL
Menard, N.M.*	Ecology
Morse, J.G.	RL
Niles, K.	OOE
Noland, T.W.*	FFS
Piippo, R.E.*	CHPRC
Potter, R.D.	MSA
Price, J.B.	Ecology
Richey, S.A.*	CHPRC
Romine, L.D.	RL
Russell, R.W.	ORP
Singleton, D.G.*	Ecology
Skinnarland, E.R.*	Ecology
Teimouri, A.E.*	HQ
Vanni, J.*	Yakama
Voice, J.D.*	RL
Voogd, M.J.	RL
Weil, S.R.	RL
Whalen, C.*	Ecology
Williams, J.D.*	CHPRC
Wise, B.K.	MSA
Administrative Record	

*Attendees

Central Plateau
Tri-Party Agreement Milestone Review
Meeting Minutes
October 21, 2010

PFP Closure Project - TPA Milestone M-083

DOE-RL reported that the three remaining milestones are on schedule to be completed in 2012 (M-083-24), 2013 (M-08-43) and 2015 (M-083-44).

Accomplishments

The 14 interim storage vaults were removed and shipped to ERDF, and ERDF was able to reuse some of the vaults as waste containers.

An in-situ size-reduction facility was set up in one of the rooms in A-Labs, and several gloveboxes and hoods were size-reduced and loaded into containers. This activity eliminated the need to move the gloveboxes and hoods down the hall and then ship them to facility for size-reduction and packaging.

Planned Activities

A readiness assessment is under way to initiate the use of a new decontamination solution called Aspigel. The solution is sprayed on a glovebox and then wiped off. The intent is to bring some of the gloveboxes down from transuranic (TRU) waste to low level waste so they can be disposed of at ERDF instead being size-reduced and then shipped to WIPP.

The issues with the PRF crane have been resolved, and final testing of the crane is ongoing this week. Once the crane is operating, the plan is to clear some of the material off the floor. Removal of the pencil tanks is scheduled for mid-December of this year.

Schedule and Cost Performance

A recovery plan is being established to recover the negative schedule variance. DOE-RL noted that the delayed procurement of the BROKK system for the canyon facilities contributed to the negative schedule variance, and a decision to not procure that system is reflected in a baseline change request.

Non-Regulatory Issues

DOE-RL stated that a potential funding shortfall is anticipated in FY 2012. To help mitigate the shortfall, a buy-back list has been established to move work scope up to complete in 2011 through Recovery Act funding. DOE-RL stated that the buy-back list covers all the projects, and

the normal project decision-making process will be applied when selecting which projects would receive the buy-back. DOE-RL added that the buy-back list addresses potential work scope over and above the key performance parameters established under the Recovery Act, and does not differentiate between FY11 and FY12.

TPA Milestone M-26-01 - Land Disposal Restrictions Report

DOE-RL provided a status on the LDR report. A field walk-down of potential mixed waste sites was conducted by Ecology, and it was determined that storage assessments are only needed for the Inactive Miscellaneous Underground Storage Tanks (IMUSTs). Oregon-DOE (ODOE) inquired about the number of IMUSTs. DOE-RL will provide the number to ODOE and Ecology.

TPA Quarterly Milestone Review M-91 Series

Significant Accomplishments of the Last Three Months

M-091-42 - A contractor has been selected to treat the sodium debris waste, and there are options for two offsite vendors to be used for treatment of the waste. DOE-RL noted that the low volumes reported are due to the retrieval stop work for four to five months earlier this year. It is anticipated that the volume will start to pick up, in part from what are called dropouts (suspect TRU waste that later assays as MLLW) from the large package repackaging from Permafix.

M-091-43 - DOE-RL noted that the low volumes reported are due to the retrieval stop work for four to five months earlier this year.

M-091-44 - DOE-RL stated that the total volume repackaged to date is 109 cubic meters. The total volume shipped is 119 cubic meters.

M-091-40 - The 103 cubic meters that has been removed from the trenches is not yet considered retrieved until it has been shipped to a TSD or other approved facility, which is the criteria for retrieved. Next generation retrieval, which brings the equipment to the retrieval area rather moving the waste to WRAP, etc., is anticipated for startup in mid-December this year.

Cost and Schedule Variance

Regarding the performance measurement table, Ecology requested a total at the bottom of each column. It was acknowledged that the total would represent different project baseline summaries (PBSs). DOE-RL noted that the recovery plan for retrieval is nearing its goal. Retrieval was halted from February to July of this year. Initiation of the Central Characterization Program (CCP) is anticipated for mid-December of this year.

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

Significant Accomplishments

200-MG-1 - DOE-RL reported that the TPA Change Notice 350 for waste was approved by Ecology yesterday. Ecology stated that the change notice for C-10-04 waste site reclassification is anticipated for approval today.

200 North Remediation - ODOE inquired about the length of the 600-286 pipeline, and what percentage of soil has been removed so far. DOE-RL will provide the length to ODOE.

BC Control Area Remediation - DOE-RL reported that approximately 243,000 tons of soil have been removed and transferred to ERDF. There is more depth and breadth of contamination than anticipated, but good progress is being made and the targets for soil removal have been surpassed. ODOE asked about the volume that was estimated for removal. DOE-RL stated that approximately 183,000 tons was originally estimated according to the depth and breadth of contamination that was assumed.

Soil and Groundwater RL-40/RL-41 Waste Site Progress FY2010 - DOE-RL reported that under Recovery Act funding, the amount of work initially planned has been exceeded. Planning is under way to use the efficiencies gained to be applied to additional areas. Of the 24 sites committed to remediation, 21 sites have been completed to date. DOE-RL expressed appreciation to Ecology for its professionalism and focus in reviewing and approving regulatory documents to authorize field work. DOE-RL stated that biweekly meetings have been established with Ecology and EPA in an effort to take a proactive approach on gaining efficiencies with Recovery Act funding. Further discussion on this subject was addressed at the end of the meeting under issues.

RL-30 Base - There is a $2.7 million negative schedule variance for some of the regulatory decision documents. DOE-RL stated that the CHPRC baseline has not been able to be modified until the new milestones for Central Plateau cleanup is approved. EPA stated that TPA Change Forms for Central Plateau cleanup are planned to be signed next Monday, October 25, 2010. DOE-RL stated that CHPRC will be able to modify their baseline after it submits to DOE-RL the proposal for implementing the new agreed-to milestones and those milestones are then negotiated and entered into CHPRC's contract.

RL-40- Base - EPA inquired about the U Zone Agreement-in-Principle noted on page 23 of the presentation and indicated that this was probably incorrect terminology. DOE-RL stated that the favorable cost variance was due to less support labor required.

Planned Activities Next 6 Months

200-BP-5 - EPA stated that a joint Ecology/EPA letter providing comments on the Draft A Treatability Test Plan for the B-Complex will be sent to DOE-RL this week.

Issues

Regulatory Document Review and Prioritization: DOE-RL stated that Ecology has expressed concern regarding the prioritization of documents for review contained in the key documents list. Ecology has requested assistance from DOE-RL with the prioritization. Ecology stated that all of the documents forecast for regulator review need to be included on the list. Ecology suggested creating a sublist that would include supporting documents, which wouldn't be presented at this level of meeting, but would assist in resource planning. Ecology stated its preference for taking a proactive approach by holding regularly-scheduled status meetings. DOE-RL added that by meeting regularly, opportunities can be realized through the document prioritization process. DOE-RL stated that during the status meetings, the Tri-Parties should be candid about whether the scheduled review times can be met before it gets too close to the start of the review period. DOE-RL took the action to schedule the discussion for prioritization at the next bi-weekly meeting.

Sampling Stop Work: DOE-RL reported that a stop work was initiated by CHPRC on September 27, 2010, due to safety concerns. Industrial hygiene designated an area of concern because of sulfur odors coming from a well, but samplers entered the area anyway. CHPRC has been working two paths to determine what needs to be done in order to lift the stop work, which has caused multiple impacts across several projects. It has affected not just the groundwater project, but wherever sampling is occurring.

The first path involved some daily meetings that the CHPRC team was holding with the nuclear chemical operators (NCOs) to get feedback on what the known issues were and to determine if there were additional issues. There were 76 issues identified that were divided into 100-K work, drilling, groundwater sampling, aquifer tube sampling, and multi-media sampling. Those issues were divided into prestart and poststart activities.

On October 13, 2010, the NCOs came to some agreement on a group of the list of issues and concerns and what the corrective actions should be. That agreement formed the basis for developing a plan towards restarting the sampling activities. On October 15, 2010, CHPRC reported that the issues had been clearly identified, and an assessment of the restart plan and recovery actions was being conducted.

The second path that CHPRC took was to conduct a nature and extent condition review. The purpose of the review was to determine how prevalent the issues might exist throughout the scope of work that CHPRC oversees. A concern was identified that there was no evidence or documentation that past corrective actions had been completed.

CHPRC reported that the extent and condition review demonstrated that the issues are focused on the sampling organization. CHPRC also determined that it was not a pervasive problem.

The path forward for lifting the stop work has begun. Prestart items have been completed for the multi-media and 100-K sampling. CHPRC is anticipating that the final packages for multi-media and 100-K will be approved and the stop work on those two forms of sampling will be lifted today (10/21/10). The drilling is anticipated for restart next week, and the following week groundwater and aquifer tube sampling is planned for restart.

CHPRC is asking all of its customers to prioritize, since sampling has not been done for four weeks. CHPRC is also coordinating with the WSCF laboratory to ensure they understand the prioties.

CHPRC stated that the key to stepping forward after a stop work is to ensure all the issues have been identified and that controls are in place. DOE-RL expressed its support for the stop work. DOE-RL stated that although the sampling projects have been impacted, no project is worth jeopardizing worker safety, and the stop work actions will instill a safety culture on site. Yakama Nation asked if the stop work on the sampling resulted in a compromise of the sampling that has been done. CHPRC responded that there was no compromise of samples.

Tri-Party Agreement Major Milestone Management Review
October 21, 2010

Name	Organization	Mail Stop	Phone
Terry Noland	MSA TPA		376-6574
Kathy Knox	Knox Reporting		946-5535
Michael Collins	DOE-RL	A6-38	376 6536
Ron Skinnarland	Ecology		372-7929
Shelley Cimon	ODOE		(541)963-0853
Deborah Singleton	Ecology		372-7923
Dave Einan	EPA		376-3883
Nina Menard	ECY		372-7941
Jean Vanni	YN ERWM		509-945-1100
Joe Voice	DOE-RL		376-8523
Elton Martin	DOE-RL		
Rob Piper	MSA		375-3235
[illegible]	Ecology		3727972
Craig Cameron	EPA		376-8665
Dale Black	CHPRC		376-0740
Scott Richy	CHPRC		373-0497
Richard Bloom	CHPRC		372-0014
Janice Williams	CHPRC		372 3553
Catherine Louie	DOE-RL		376-6834
Alex Teimouri	DOE-EM		376-6222
DL Foss	CHPRC		438-2705
BL Foley	DOE-RL		376-7087

Tri-Party Agreement

Thursday, October 21, 2010
Ecology Offices, Conference Room 3A/B
3100 Port of Benton Way
Richland, Washington

Agenda
Central Plateau Milestone Review Meeting
Chairman: Joe Voice

9:00 a.m.	M-83-00	PFP Transition
9:10 a.m.	M-26-01	Land Disposal Restrictions Report
9:20 a.m.	M-91-00	Acquisition of Facilities to TSD TRU/TRUM and LLMW
9:30 a.m.	M-15-00	RI/FS Process Completion
	M-16-00	Complete Remedial Actions
	M-24-00	Groundwater Well Installation
10:30 a.m.	Adjourn Milestone Review	

PFP Closure Project TPA Milestone M-083

PFP Badge house and Central Alarm Station Removed

October 2010
Tri-Party Agreement Milestone
Status Report

Ecology Project Manager – R. Bond
DOE-RL Project Director – E. Mattlin
PFP Closure Project – D. Del Vecchio
CHPRC Environmental – S. Richey

M-83 Status for Interim Milestones

(as of 09/31/10)

TPA No.	TPA Commitment Date	Milestone Title	Status
M-083-32	9/30/11	COMPLETE CLOSURE OF THE PFP 241-Z TSD UNIT	***Complete***
M-083-42	9/30/11	COMPLETE TRANSITION AND DISMANTLEMENT OF THE 241-Z WASTE TREATMENT FACILITY	***Complete***
M-083-24	6/30/12	SUBMIT S&M PLAN	***On Schedule***
M-083-43	9/30/13	COMPLETE TRANSITION OF THE 242-Z WASTE TREATMENT FACILITY AND 236-Z PRF	***On Schedule***
M-083-44	9/30/15	COMPLETE TRANSITION OF THE 234-5-Z (PFP), 243-Z LLW Treatment, 291-Z and Z-1 Stack	***On Schedule***

Accomplishments

- Demolished buildings 2701-ZA/ZC/ZD/ZE and 2705-Z
- 14 Interim Storage Vaults (ISV) removed and shipped
- Inner fence removed

Accomplishments (Continued)

- 95 Hood/Gloveboxes removed and shipped
- 11 Hood/Gloveboxes removed and awaiting disposition
- Initiated in-situ size reduction of gloveboxes in A-Labs

Planned Activities

- Removal of PRF MT gloveboxes
- Continued glovebox clean out and removal
- Initiate PRF pencil tank equipment removal
- 242-Z equipment removal
- Continued D&D field work on 2736-ZB
- Establish glovebox size reduction area
- Continued Min-Safe maintenance activities

Schedule / Cost Performance
Fiscal Year to Date Status (through September)

RL-0011 - Nuclear Material Stabilization & Disposal (PFP)	Fiscal Year to Date				
	BCWS	BCWP	ACWP	SV$	CV$
(ARRA/ & Base) -Total	157.5	143.4	146.4	(14.0)	(3.0)
					(Numbers are rounded to the nearest $0.1M)

FYTD Schedule Performance: (-$14M/-8.9%)

- Negative schedule variance primarily caused by;
  - Safety Stand-down, Stop Works and Breathing Air Issues
  - Unplanned Process Vacuum Mockup Work to support Application of New Glovebag Technique
  - Delayed procurement of BROKK remote Handling Size Reduction Equipment to Support Pencil Tank Size Reduction

FYTD Cost Performance: (-$3.0M/-2.1%)

- -Inability to perform work due to the safety stand-downs, work stoppages and implementation of recovery actions, while labor costs for the field work teams remained relatively constant.
- -Use of overtime and additional usage-based services (MSA Brokered Resources) to recover schedule

Issues

Regulatory Issues:

- None

Non-Regulatory Issues:

- Potential funding shortfall in FY2012

Land Disposal Restrictions (LDR) Report
(Tri-Party Agreement Milestone M-26-01)
Quarterly Presentation
October 21, 2010

Tri-Party Agreement

Deborah Singleton, Ecology Lead
Michael Collins, RL Project Lead
Ronald Koll, ORP Project Lead

Tri-Party Agreement

Background

- Tri-Party Agreement Milestone M-26-01 requires annual submittal of the Hanford Site LDR report

- TPA Change Request M-26-06-01 approved December 14, 2006 established summary reports as the deliverable with the full LDR report submitted every 5 years.

Tri-Party Agreement

Status

- Field walk down of potential mixed waste sites determined that storage assessments only needed for IMUSTs

- Site-specific LDR variance for PNNL barium waste
  - Variance approved August 21, 2009
  - Conduct treatment in early CY2011

- LDR Determination of Equivalent Technology for macroencapsulation of PNNL lead solids
  - Approved by Ecology

- A variance may be request for approximately 40 drums from ANL

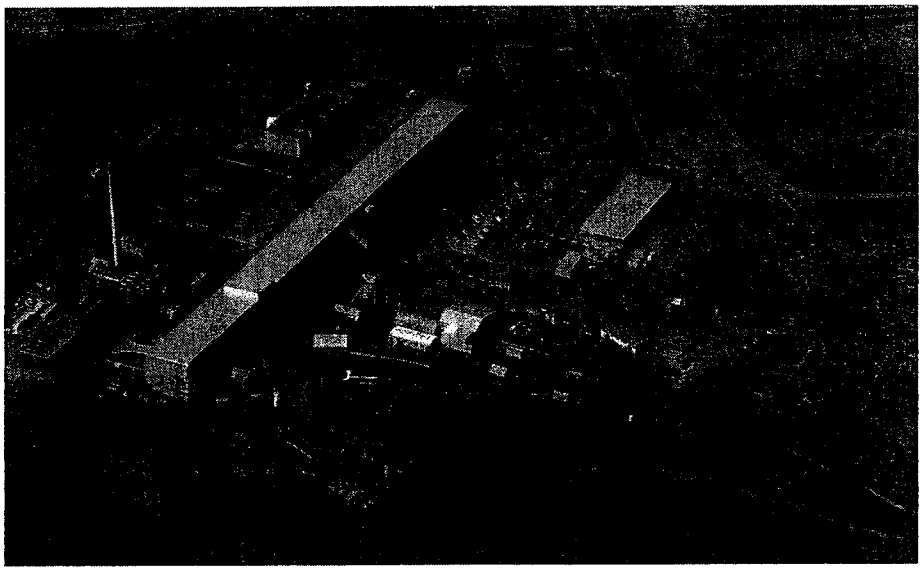
Tri-Party Agreement

Actions Planned for the Next Three Months

- Continue the monthly PMMs
- Initiate potential mixed waste assessments of IMUSTs
- Initiate preparation of CY2010 Summary Report

Department of Energy – Richland Operations Office

Tri-Party Agreement Quarterly Milestone Review M-91 Series



July 15, 2010

EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

www.em.doe.gov

Significant Accomplishments of the Last Three Months

- Change Number M-091-09-01 approved 09/15/10
- M-091-03 Project Management Plan
  - Ecology reviewing the 2010 plan
  - A change to the milestone is being drafted to combine this plan and the M-016-93 CERCLA Work Plan

Significant Accomplishments of the Last Three Months

- M-091-42 MLLW (CH, small container)
  - Total volume treated – 8,198 m^3 (38 m^3 in the quarter)
  - Total volume shipped – 8,244 m^3 (31 m^3 in the quarter)
  - 46 m^3 in storage
  - Request for proposal issued to treat 25 m^3 of sodium (debris) waste

- M-091-43 MLLW (RH and large container)
  - Total volume treated – 714 m^3 (7 m^3 in the quarter)
  - Total volume shipped – 731 m^3 (3 m^3 in the quarter)
  - 90 m^3 in storage

Significant Accomplishments of the Last Three Months

- M-091-44 TRUM Waste (RH and large container)
  - Started repackaging at Permafix Northwest
  - Total volume repackaged – 67 m^3 (67 m^3 in the quarter)
  - Total volume shipped – 109 m^3 (109 m^3 in the quarter)
  - Total volume assayed – 18 m^3 (16 m^3 MLLW, 2 m^3 TRUM waste)
  - 6,174 m^3 in storage

Significant Accomplishments of the Last Three Months

- M-091-46 TRUM waste (CH, small container)
  - Shipped to WIPP or AMWTP – 501 m^3 (119 m^3 in the quarter)
  - Repackaged – 398 m^3
  - Started repacking Z-9 drums
  - Completed shipping Hanford-certified backlog
  - 1,822 m^3 in storage

Significant Accomplishments of the Last Three Months

- M-091-40 Retrievably Stored Waste (CH)
  - Total volume retrieved – 809 m^3 (263 m^3 in the quarter)
  - Volume removed from trenches but not shipped to a TSD – 103 m^3
  - Next Generation Retrieval
    - Retrieval – Equipment testing and calibration continued, preparing for readiness review
    - Processing – Bids received and evaluated, vendor selected

- M-091-41 Retrievably Stored Waste (RH)
  - Total volume retrieved – 1 m^3 (0 m^3 in the quarter)
  - Total volume removed from trenches – 19 m^3 (18 m^3 in the quarter)

Fiscal Year 2010 (through July) Performance Measurement

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	8,474.6	8,505.2	8,141.8	0.4%	4.3%
Waste Receiving and Packaging Facility	9,025.1	9,059	9,551.6	0.4%	-5.4%
T Plant	12,200.5	12,247.8	11,556.6	0.4%	5.6%
MLLW Treatment	10,995.0	9,556.0	10,475.5	-13.1%	-9.6%
TRU Waste Retrieval	40,846.3	40,251.4	44,530.1	-1.5%	-10.6%
TRU Waste Repackaging	14,659.9	14,060.2	13,313.7	-4.1%	6.0%
TRU Waste Disposition	14,479.5	13,143.8	10,053.8	-9.2%	23.5%
Project Management	18,483.0	18,483.0	18,875.2	0.0%	-2.1%

Variance Analysis

- FYTD Schedule Variance: The negative schedule variance for MLLW treatment is due to the lack of feed from retrieval. The negative schedule variance for TRUM waste disposition is due to the initiation of CCP certification program taking longer than planned.

- FYTD Cost Variance: The negative cost variance for MLLW treatment is due more of the harder waste streams being treated than plan. The negative cost variance for retrieval is due to the condition of the waste and the extra resources needed to recover schedule. The positive cost variance for TRUM waste disposition is due less support being needed for TRUM waste repackaging.

Actions Planned for Next Six Months

- Continue shipping and treating M-091-42 and M-091-43 MLLW
- Continue repackaging M-091-46 TRUM waste into a certifiable form
- Continue shipping M-091-46 TRUM waste to WIPP
- Continue repackaging M-091-44 TRUM waste
- Start Central Characterization Project certification program
- Continue retrieval in 218-W-3A
- Restart retrieval in 218-W-4B
- Start Next Generation Retrieval in 218-E-12B
- Award design/build contract for the Next Generation Retrieval processing equipment

SOIL AND GROUNDWATER REMEDIATION PROJECT MILESTONE REVIEW

M-015-00, M-016-00, M-024-00, M-085-00

Tri-Party Agreement

U.S. Department of Energy
U.S. Environmental Protection Agency
State of Washington, Department of Ecology
Fourth Quarter FY10
October 21, 2010

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
P-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-015-00D	**12/31/12**	**Submit PP for all 100 & 300 Area OUs to Complete RI/FS Process**	**On Schedule**
P-015-17A	09/30/10	Submit a 200-UP-1 OU RI and FS Report and PP to EPA	**COMPLETED**
P-015-21A	12/31/12	Submit 200-BP-5 and 200-PO-1 OU FS Report and PP(s) to Ecology	On Schedule
P-015-38B	04/30/12	Submit a Revised FS Report & Revised PP(s) for 200-CW-1, 200-CW-3, and 200-OA-1 OUs for Waste Sites in the Outer Area of the CP to EPA	On Schedule
M-015-60	ROD+6 Mo	Submit RD/RA Work Plan, if 100-NR-1/2 ROD Amend. is Issued	On Schedule
M-015-62-T01	12/31/11	Submit FS/PP for 100-NR-1/2 OUs Including GW and Soil	On Schedule
M-015-64-T01	11/30/11	Submit RI/FS Report and PP for 100-FR-1/2/3 and 100-IU-2/6	On Schedule
M-015-66-T01	07/31/11	Submit RI/FS Report and PP for 100-KR-1/2/4 OUs for GW and Soil	On Schedule
M-015-68-T01	11/30/11	Submit RI/FS Report and PP for 100-BC-1/2/5 OUs for GW and Soil	On Schedule
M-015-70-T01	07/30/11	Submit FS Report and PP for 100-HR-1/2/3 and 100-DR-1/2 OUs	On Schedule
M-015-72-T01	12/31/11	Submit RI/FS Report and PP for 300-FF-2/5 OUs for GW and Soil	On Schedule
M-015-82A	12/31/10	Submit Treatability Test Plan as Amendment of 200-BP-5 WP	**COMPLETED**
M-015-82B	Approval of TTP + 6 mo	Initiate 200-BP-5 Aquifer Tests Within 6 months of TTP Approval	On Schedule
P-015-90	06/30/11	Submit Revised RFI/CMS and RI/FS Work Plan for 200-IS-1 to Ecology	On Schedule
P-015-91A	12/31/11	Submit RI/FS Work Plan for the 200-WA-1 OU (200 West Inner Area) to EPA	On Schedule
P-015-91B	06/30/13	Submit FS Report and PP for 200-WA-1 OU (200 West Inner Area) to EPA	On Schedule
P-015-92A	12/31/12	Submit RFI/CMS and RI/FS Work Plan for the 200-EA-1 OU (200 East Inner Area) to Ecology	On Schedule

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
P-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 (cont)			
P-015-92B	06/30/14	Submit CMS & FS Report(s) & Proposed CA Decision(s)/PP(s) for 200-EA-1 & 200-IS-1 OUs (CP 200 East Inner Area) to Ecology	On Schedule
P-015-93A	12/31/11	Submit Revised RFI/CMS and RI/FS Work Plan for 200-SW-2 to Ecology	On Schedule
P-015-93B	12/31/16	Submit RFI/CMS & RI/FS & Proposed CA Decision/PP for 200-SW-2 to Ecology	On Schedule
P-015-110A	09/30/12	Submit RFI/CMS & RI/FS Work Plan for 200-DV-1 OU to Ecology. The Work Plan shall include technology screening that identified technologies applicable for characterization, treatment, and monitoring of deep vadose zone contaminants.	On Schedule
P-015-110B	09/30/15	Submit CMS & FS & PP/Proposed CA Decision for 200-DV-1 OU to Ecology	On Schedule
P-015-110C	12/31/10	Submit Uranium Treatment Technology TTP as an element of the RFI/RI for 200-DV-1 OU to Ecology	Ahead of Schedule
P-015-110D	06/30/12	Submit Tc-99 Pilot Scale Treatability Study Test Report as an element of RI for 200-WA-1 to EPA	On Schedule
M-015-115	08/30/10	Submit TTP for hex. chromium bioremediation at 100-D/H to Ecology	**COMPLETED**
M-015-116	08/30/10	Submit TTP for hex. chromium bioremediation of 100-K Vadose Zone to EPA	**COMPLETED**
P-016-00 – Complete Remedial Actions for all Non-Tank Farm and Non-Canyon Operable Units			
M-016-00A	**12/31/12**	**Complete all Interim Response Actions for the 100 Areas, with the exception of 100 K Area, by the specified due date as approved in a RD/RA Work Plan.** Completion of interim response actions is defined as the completion of the interim ROD or Action Memorandum requirements in accordance with an approved RA/RD Work Plan or Removal Action Work Plan and obtain EPA and/or Ecology approval of the appropriate project closeout documents.	**On Schedule**
M-16-00B	**09/30/18**	**Complete all Interim 300 Area Remedial Actions including the 618-10 and 618-11 burial grounds but not including sites associated with retained 300 Area facilities and the utility corridors. Completion of interim remedial actions for waste sites associated with the retained 300 Area facilities and their utilities are subject to approved RD/RA Work Plans.** Completion of all interim remedial actions is defined as the completion of the interim ROD requirements in accordance with an approved RD/RA Work Plan and obtain EPA approval of the appropriate project closeout documents. The disposition of impeding surplus facilities will be performed in accordance with M-094-00.	**On Schedule**

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
P-016-00 – Complete Remedial Actions for all Non-Tank Farm and Non-Canyon Operable Units (cont)			
M-016-110-T01	12/31/12	Take Actions to Contain or Remediate Hexavalent Cr 100A GW Plumes	On Schedule
M-016-110-T02	12/31/20	Take Actions Such That Hexavalent Cr Meets Drinking Water Stds.	On Schedule
M-016-110-T03	12/31/16	Take Actions to Contain Sr-90 GW Plume at 100-NR-2 OU	On Schedule
M-016-110-T04	12/31/16	Implement Remedial Actions in all 100A RODS for GW OUs	On Schedule
M-016-110-T05	12/31/15	Implement System to Meet Drinking Water Stds. for U at 300-FF-5 OU	On Schedule
M-016-111B	12/31/10	Expand P&T System at 100-HR-3 OU to 500 gpm Capacity	On Schedule
M-016-111C	12/31/11	Expand P&T System at 100-HR-3 OU to 800 gpm Capacity	On Schedule
M-016-119-T01	12/31/20	Remedy in Place to Contain GW Plumes in 200 NPL Area	On Schedule
M-016-120	12/31/11	GW Treatment System <50 gpm for Tc-99 Plume at S/SX Tank Farm	On Schedule
M-016-122	12/31/11	Begin Phase 1 Operation of 200W Pump and Treat System	On Schedule
M-016-124	08/31/10	Submit 200-ZP-1 Remedial Design Report	**COMPLETED**
P-016-200A RL-40	09/30/17	Complete U Plant Canyon (221-U) Demolition in accordance w/ RD/RAWP	On Schedule
P-016-200B RL-40	09/30/21	Complete U Plant Canyon (221-U) Barrier Construction in accordance w/ the RD/RAWP	On Schedule
M-024-00 – Complete Well Installations with RCRA/CERCLA Requirements			
M-024-58C	06/01/10	Initiate Discussions of Well Commitments (completed 5/19/2010)	**COMPLETED**
M-024-58D	06/01/11	Initiate Discussions of Well Commitments	On Schedule
M-024-58E	06/01/12	Initiate Discussions of Well Commitments	On Schedule

Milestone Status

TPA Number	Commitment Date	Milestone Title	Status
M-024-00 – Complete Well Installations with RCRA/CERCLA Requirements (cont)			
M-024-61	12/31/10	DOE Shall Complete Construction of all Wells Listed	**COMPLETED**
M-024-61-T01	08/01/10	Conclude Discussions of Well Commitments	**COMPLETED**
M-024-62	12/31/11	DOE Shall Complete Construction of all Wells Listed	On Schedule
M-024-62-T01	08/01/11	Conclude Discussions of Well Commitments	On Schedule
M-024-63	12/31/12	DOE Shall Complete Construction of all Wells Listed	On Schedule
M-024-63-T01	08/01/12	Conclude Discussions of Well Commitments	On Schedule
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 RL 40	09/30/12	Submit Change Package to establish date for major Milestone M-85-00	On Schedule
M-085-10A RL 30	12/31/11	Submit RI/FS Work Plan for 200-CB-1 (B Plant Canyon/associated past practice waste site) to Ecology	On Schedule
M-085-20A RL 30	09/30/15	Submit RI/FS Work Plan for 200-CP-1 (PUREX Canyon/associated past practice waste site) to Ecology	On Schedule
M-085-30A RL 30	12/31/17	Submit RI/FS Work Plan for 200-CR-1 (REDOX Canyon/associated past practice waste site) to EPA	On Schedule
M-085-50 RL 40	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.	On Schedule
M-085-51 RL 40	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.	On Schedule
M-085-60 RL 40	03/31/18	Complete EE/CA Report(s) for all Tier 2 Facilities listed in Appendix J	On Schedule

Accomplishments

- 168 well locations were sampled with a total of 952 samples being collected
- 167 aquifer tube samples were collected from 51 tubes at 27 sites
- 17.86M gallons groundwater treated by ZP-1 treatment facility
- 18.65M gallons groundwater treated by KX treatment facility
- 8.61M gallons groundwater treated by KW treatment facility
- 8.78M gallons groundwater treated by KR-4 treatment facility
- 7.19M gallons groundwater treated by HR-3 treatment facility
- 1.28M gallons groundwater treated by DR-5 treatment facility

Significant Accomplishments

200-BP-5

- The Draft A 200-BP-5 Treatability Test Plan was transmitted to the regulators on September 24, 2010 for review meeting TPA Milestone M-15-82A over 3 months ahead of schedule.

200-UP-1

- The Draft A 200-UP-1 OU RI/FS Report and Proposed Plan was transmitted to the regulators on September 24, 2010 for review meeting TPA Milestone M-15-17 ahead of schedule.
- Completed the 90% design package for the S-SX extraction system.

200-MG-1

- The WIDS reclassification forms for the 6607-1, -2, and -3 septic systems have been signed off by Ecology and have been deleted from CERCLA.
- The WIDS reclassification forms for the 200-E-101 waste site has been approved by Ecology.
- The WIDS reclassification forms for the600-51 and 600-262 waste sites are under review by Ecology.

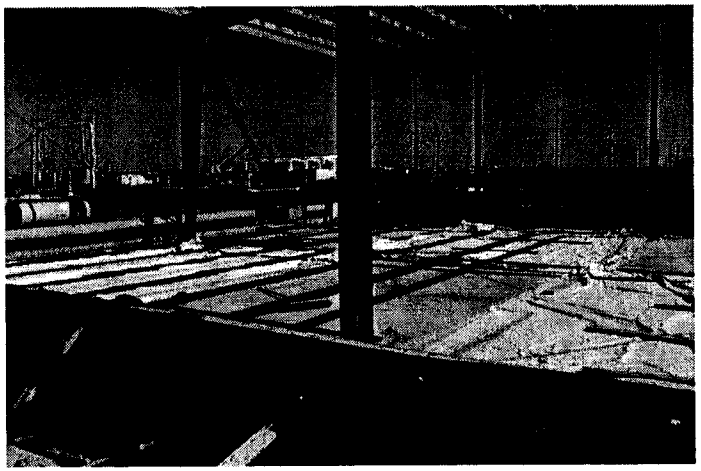
200-Deep Vadose Treatability Test Plan

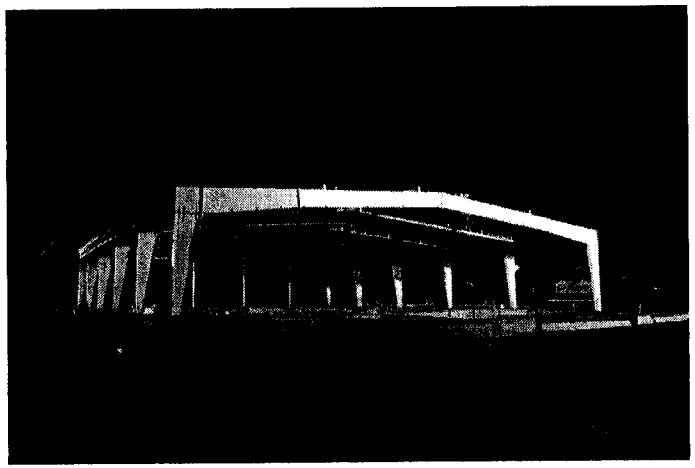
- The FTP and SAP for the Desiccation Pilot Test was approved by RL and EPA. These were the two remaining regulatory documents needed to support field execution of this test.

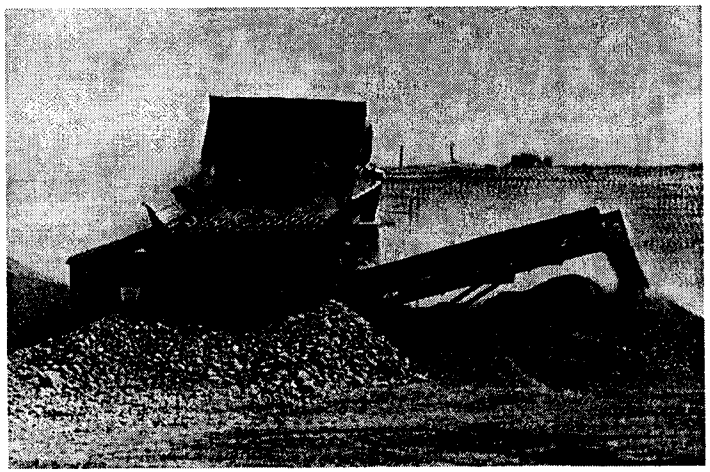
Significant Accomplishments

200-ZP-1

- 11 of 14 groundwater extraction wells are online pumping water at 439 gpm.
- The replacement heater/chiller unit is now on line.
- Drilling and sampling of 18 permanent extraction/injection wells is now complete.







<<<<A front end loader feeds soil from Pit 34 in the 200 West Area into a sifter to separate rocks from usable fill material. The fill material will be used at the construction site of the 200 West Groundwater Treatment Facility. Using fill from the pit reduces costs and environmental impacts of purchasing and hauling new fill to the work site.

Significant Accomplishments

200 North Remediation

- **200-CW-3 Waste Sites**
  - Excavation of site 216-N-4 is complete with approximately 36,350 tons of soil (cumulative) removed and transferred to ERDF.
  - The response action completion documentation for waste site 216-N-1 was approved with closure documentation forwarded to regulators for approval. EPA has supplied their comments.
  - Excavation of pipeline 600-286-PL commenced with approximately 1,400 tons removed and transported to ERDF.
  - Seven waste sites (600-285PL, 2607N, 2607P, 2607R, 200-N-3, UPR-200-N-1, and UPR-200-N-2) have been remediated/evaluated with the reclassification approved.

BC Control Area Remediation

- Remediation using super dump trucks continued with approximately ~~224~~ 243,000 tons cumulative to date of soil removed and transferred to ERDF.

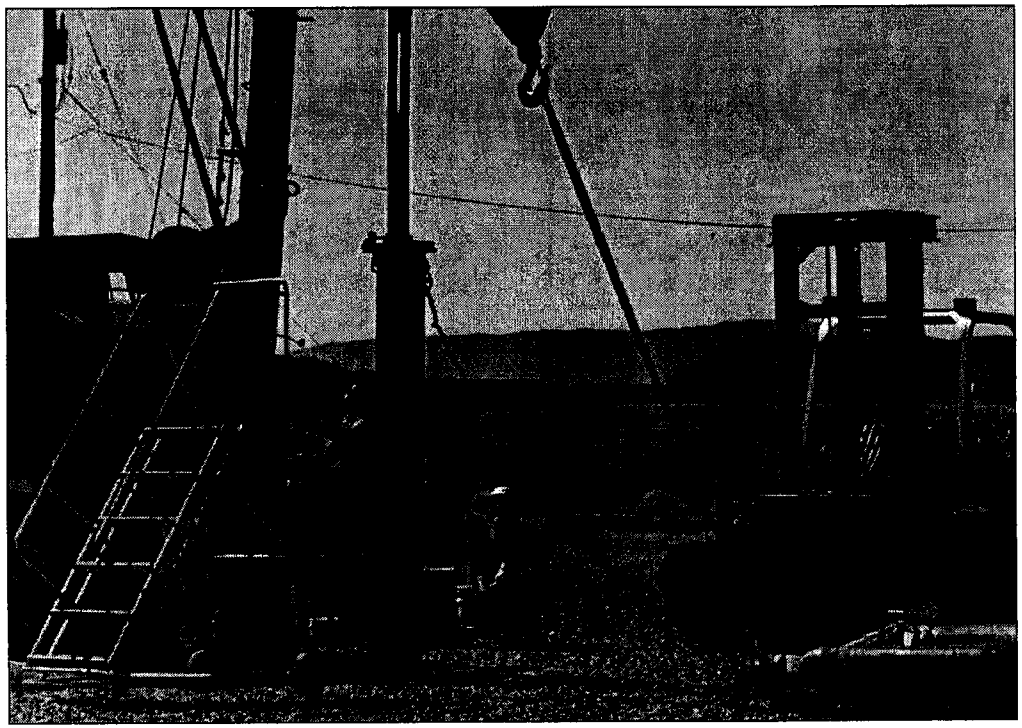
300 Area FF-5

- All sampling and design work is complete for the completed boreholes. A second drill rig is on site to complete monitoring well construction.

Significant Accomplishments

100-BC-5

- Well construction was completed on well C7508. Drilling and sampling progressed on C7784.
- The third and final round of spatial-and-temporal groundwater sampling from existing wells for 100-BC was completed.



<<<A drilling crew installs a monitoring well in the 100-BC-5 area, where CHPRC will install a total of six wells with Recovery Act funding to support characterization and removal of chromium contamination in the groundwater.

Significant Accomplishments

100-KR-4

- Comments to the updated KR4 Pump-and-Treat system cultural resource treatment plan have been incorporated and document is in approval process for issuance.
- Well construction and development has been completed for wells C7687, C7691, C7685, and C7690. Drilling is continuing at wells C7692 and C7693.
- Conducted 30% design review on the bio-infiltration system to be installed for the KW treatability test.

100-HR-3

- Drilling of the RI/FS Wells and boreholes commenced in late September.
- The in situ bioremediation system design was completed, and is being issued.
- Regulator comment incorporation is ongoing for the Draft B of the Treatability Test Plan for Hexavalent Chromium Bioremediation in Groundwater at 100-D (DOE/RL-2009-105).

100-FR-3

- Drilling, sampling, and well construction was completed on RI/FS well C7792, and well construction was completed on previously drilled and sampled well C7790.
- Slug-testing activities were completed on the two new RI/FS wells (C7790 and C7792).
- The third round of spatial-and-temporal groundwater sampling from existing wells for 100-F was initiated with 12 of the 19 wells sampled.

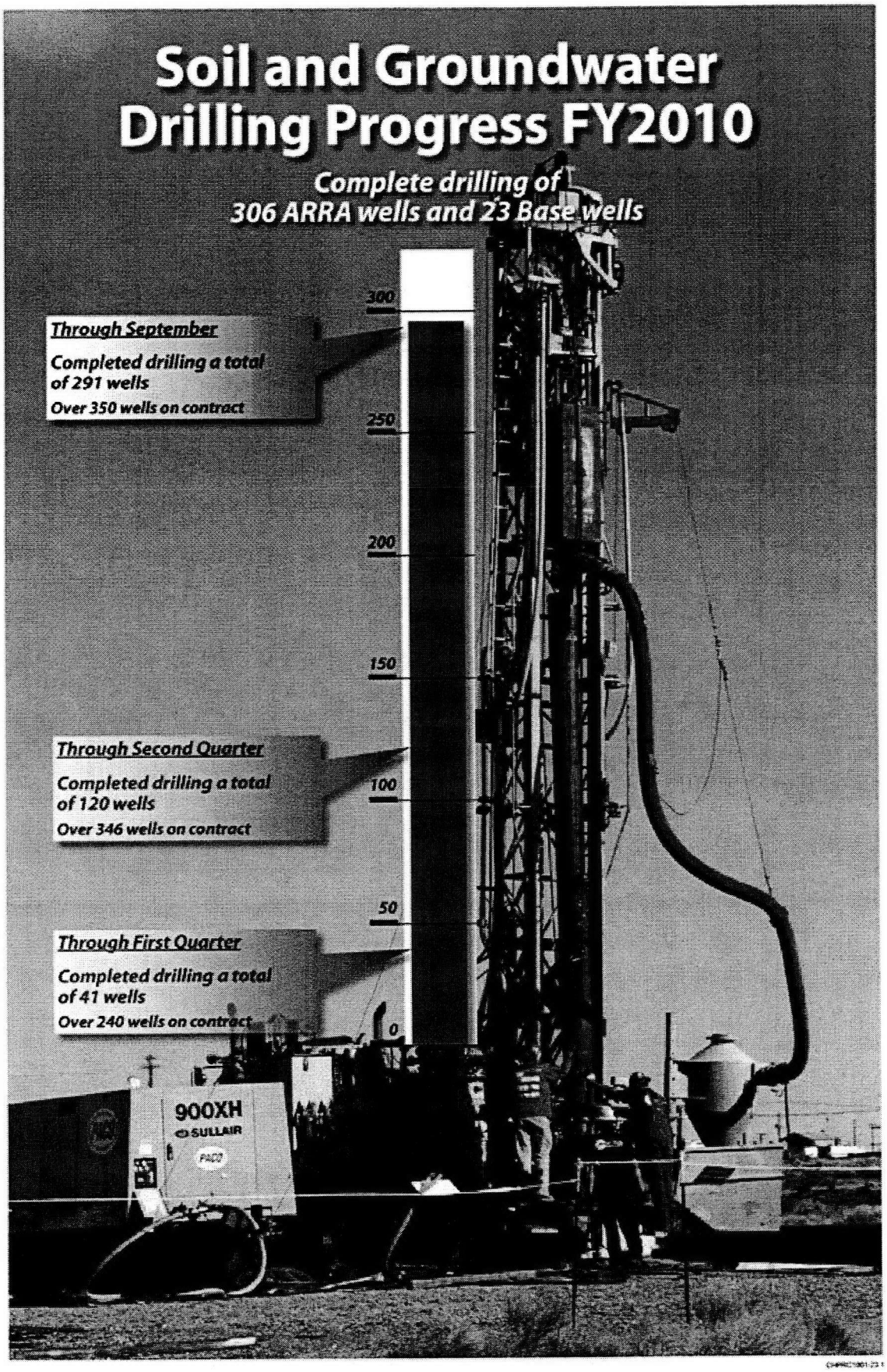
Significant Accomplishments

100-NR-2

- The Rev. 0 100-NR-2 Barrier Expansion Design Optimization Study (DOS) was approved by DOE/RL and Ecology on September 23, 2010. This DOS allows for the initial 600-foot expansion of the apatite permeable reactive barrier (PRB) in the saturated zone, to an expanded length of 900 feet, prior to full expansion under the recently amended IROD (see next item). The associated Field Test Instructions have been approved and released as Rev. 0. Delivery of the first injection skid system was made on September 27, 2010. A contractor was selected for the chemical procurement contract and has begun preparing for deliveries. All of the well packers and down-hole equipment has been installed in the first and second round injection wells.
- The 100-NR-1/2 OU Amendment to the Interim Action Record of Decision (IROD) was approved by RL, Ecology, and EPA on September 29, 2010, and was subsequently issued by EPA. The issuance of the IROD amendment by the end of FY10 met an internal EPA milestone.
- The Draft A SAP developed to allow additional "upwelling" (river porewater) sampling to be conducted from the river bottom along specific portions of the 100-N river shoreline was reviewed by Ecology. The resulting Ecology comments were reviewed and proposed comment responses and an updated SAP were provided to Ecology for concurrence on September 29, 2010.
- A TPA Change Notice (CN) was approved by RL and Ecology for a second round of spatial-and-temporal groundwater well sampling in September prior to approval of the RI/FS Work Plan Addendum and SAP.

Soil and Groundwater Drilling Progress FY2010

Complete drilling of 306 ARRA wells and 23 Base wells



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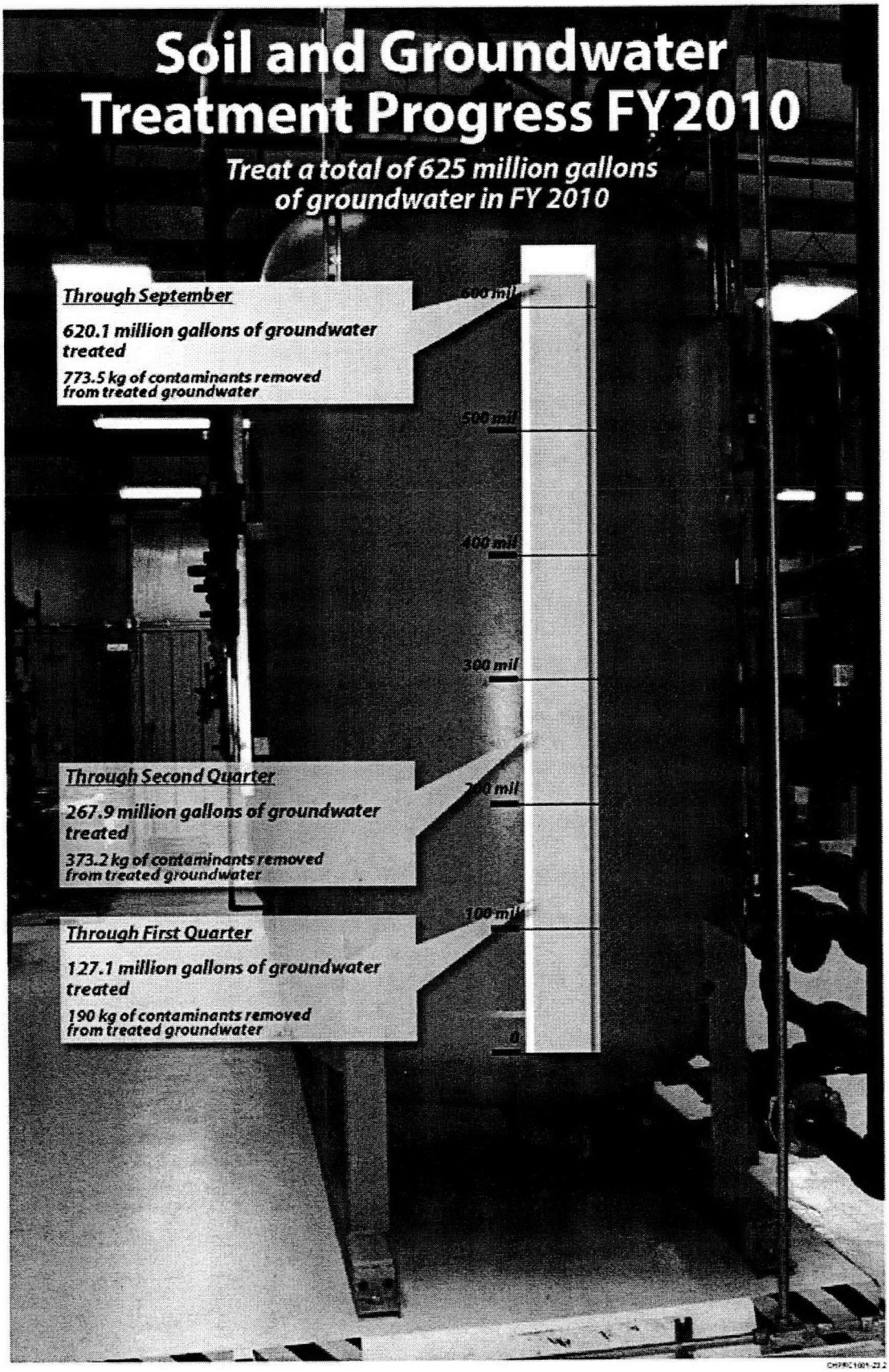
Soil and Groundwater Treatment Progress FY2010

Treat a total of 625 million gallons of groundwater in FY 2010



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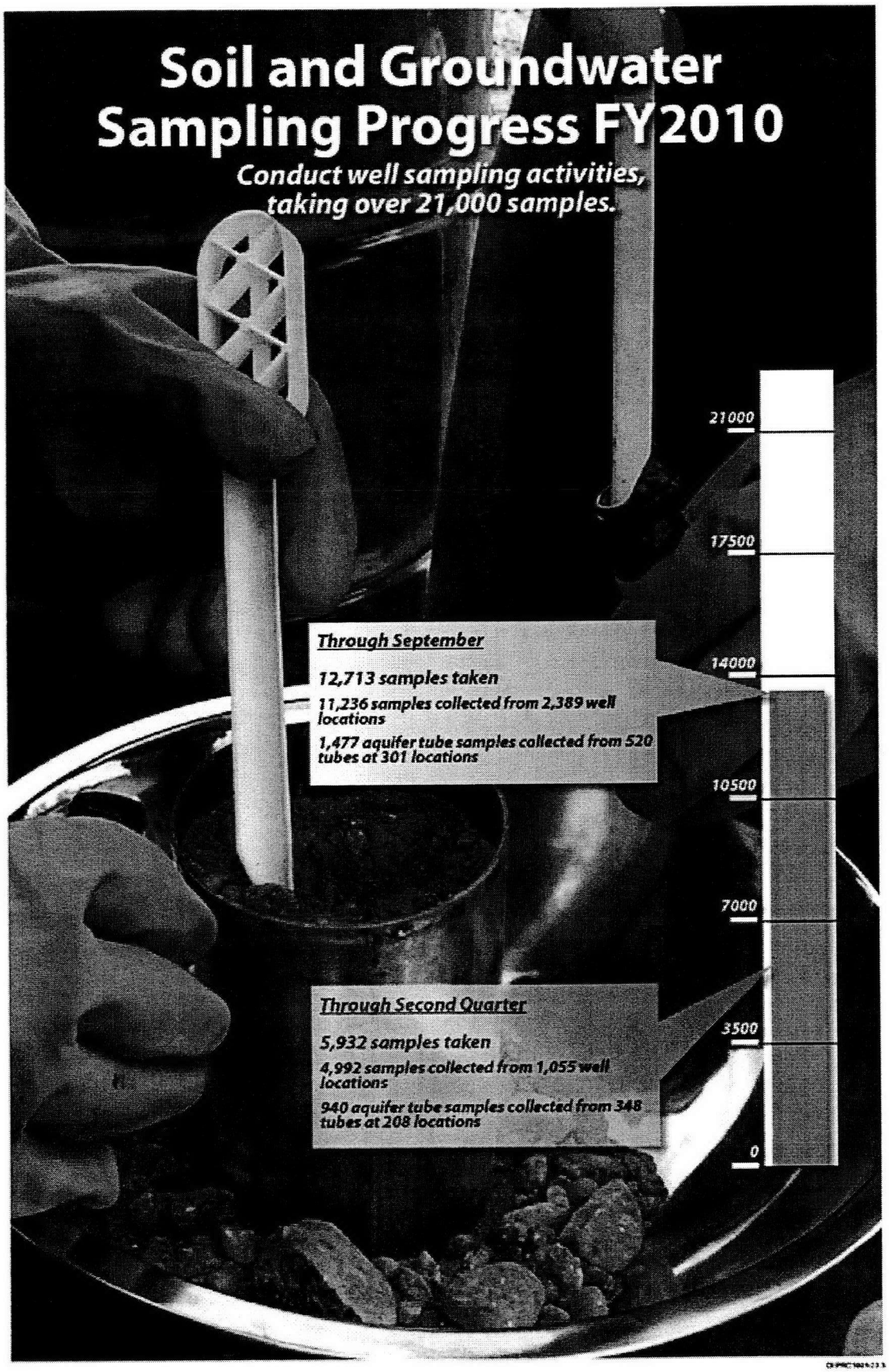
Plateau Remediation Company

Soil and Groundwater Sampling Progress FY2010

Conduct well sampling activities, taking over 21,000 samples.



Through September

12,713 samples taken

11,236 samples collected from 2,389 well locations

1,477 aquifer tube samples collected from 520 tubes at 301 locations

Through Second Quarter

5,932 samples taken

4,992 samples collected from 1,055 well locations

940 aquifer tube samples collected from 348 tubes at 208 locations

CH2MHILL
Plateau Remediation Company

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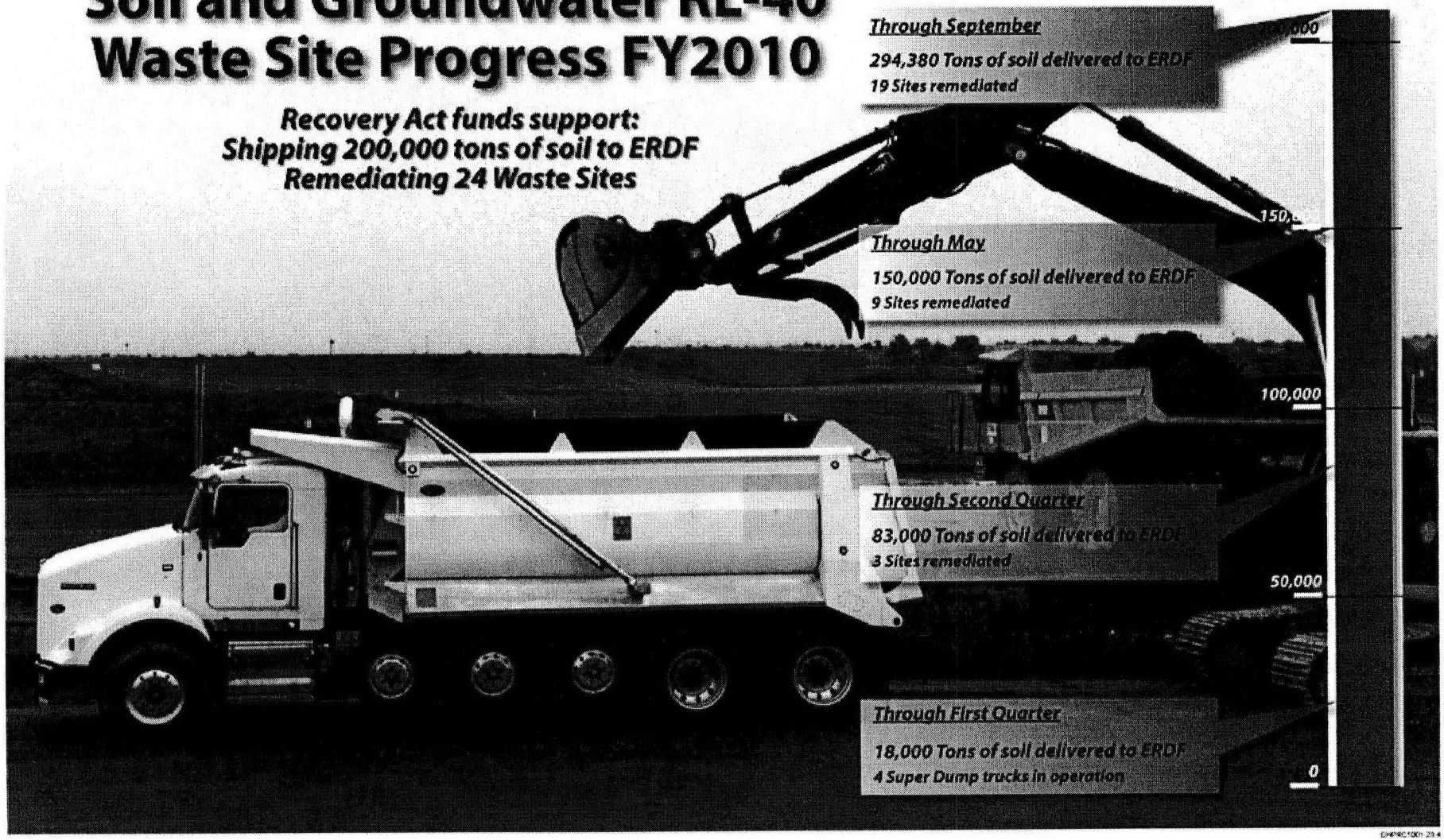
Soil and Groundwater RL-40 Waste Site Progress FY2010

Recovery Act funds support:
Shipping 200,000 tons of soil to ERDF
Remediating 24 Waste Sites



Soil and Groundwater RL-41 Waste Site Progress FY2010

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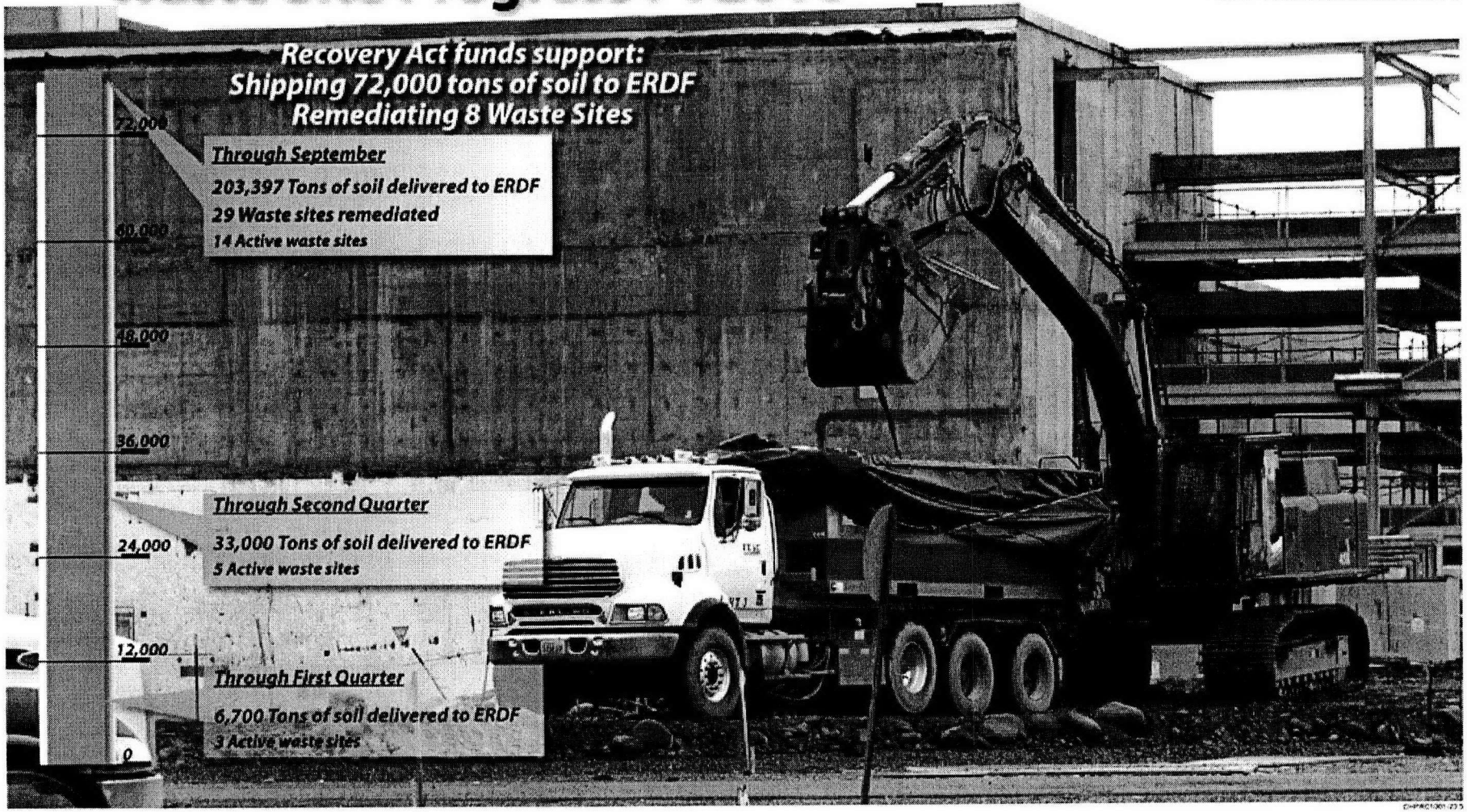

PROJECT BASELINE PERFORMANCE
Contract-to-Date
($M)

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)
ARRA RL-0030.R1.1 GW Capital Asset	72.9	66.9	64.6	-5.9	-8.1	2.3	3.5	171.2	170.8	0.4
ARRA RI-0030.R1.2 GW Operations	57.8	51.0	42.2	(6.8)	-11.8	8.9	17.4	84.5	80.1	4.4
ARRA Total	**130.7**	**117.9**	**106.7**	**(12.7)**	**-9.7**	**11.2**	**9.5**	**255.7**	**250.9**	**4.8**
Base	264.0	257.1	252.8	(6.9)	-2.6	4.3	1.7	1,239.6	1,231.4	8.2
Total	**394.7**	**375.1**	**359.5**	**(19.6)**	**-5.0**	**15.5**	**4.1**	**1,495.3**	**1,482.3**	**13.0**

Numbers are rounded to the nearest $0.1M.

PROJECT BASELINE PERFORMANCE
Contract-to-Date

ARRA
CTD Schedule Performance: (-$12.7M/-9.7%)
The primary contributors to the ARRA CTD negative schedule variance are as follows:
ARRA RL-0030.R1.2 GW Operations (-$6.8M)
Ramp-up & Transition (-$6.3M)
1) The construction contractor's performance is less than planned due to their ability to obtain required levels of staffing.
2) Limited engineering resources due to competing priorities.
3) The re-work that was required on the foundation due to incorrect placement. The contract is currently forecast to complete four months behind schedule.
A recovery plan is being worked with the project completion date expected to be in January 2011.
ARRA RL-0030.R1.1 GW Capital Asset (-$5.9M)
200-ZP-1 Operable Unit (-$6.7M)
Long-lead procurements are behind schedule due to design release delays. CH is working with contractor to increase manpower/OT to recover schedule.
CTD ARRA Cost Performance: (+$11.2M/+9.5%)
The primary contributors to the ARRA CTD positive cost variance are:
ARRA RL-0030.R1.2 GW Operations (+$8.9M)
Drilling (+$3.7M)
Efficiencies and savings obtained in drilling for 100-NR-2, 100-HR-3, and 200-BP-5 wells. Cost efficiencies are being obtained through an aggressive drilling schedule with savings in support personnel, faster drilling methods and the fact that the HR-3 well depths have been less than originally planned. Well decommissionings have also been completed for less than planned.
Regulatory Decision & Closure Integration (+$1.7M)
Completing work scope more efficiently than planned, primarily in the areas of multi-incremental sampling (using existing documentation and direct haul rather than staging); borehole drilling and landfill characterization (competitive subcontracting of drilling support and efficient field support); and document preparation (200-BC-1 data validation and Data Quality Assessment reports).
Ramp-up and Transition (+$1.8M)
Site work, utilities, and mobile office procurements activities were contracted for less than estimated in the baseline. It is anticipated that cost for the internal fit-out of the four shop/warehouse buildings will be greater than budgeted leaving the project with a small positive cost variance at completion.

PBS RL-30 UBS, G&A, and DD (+$1.7M)
The CTD positive cost variance is discussed in Appendix C.
ARRA RL-0030.R1.1 GW Capital Asset (+$2.3M)
All WBS level 2 variances are below reporting thresholds.

PROJECT BASELINE PERFORMANCE
Contract-to-Date

Base

CTD Schedule Performance (-$6.9M/-2.6%)

The following schedule variances exceed the reporting thresholds:

200-UP-1 Operable Unit (+$1.0M)

S-SX construction activities planned in FY11 were performed early.

Regulatory Decision/Closure (-$2.7M)

Work scope that is in the current baseline that is changing as part of the Tentative Agreement and new Central Plateau Closure Strategy. The new strategy will be implemented in fiscal year 2011.

CTD Cost Performance (+$4.3M/+1.7%)

Primary contributors to the CTD positive cost variance are as follows:

100-NR-2 OU (+$2.0M)

Performing chemical treatment and maintenance scope, jet grouting pilot test work and RI/FS Work Plan and Interim Proposed Plan Reporting more efficiently than planned.

200-ZP-1 Operable Unit (+$2.4M)

1) Interim Operations reflects significant progress and cost underruns have been achieved to date for Annual System Calibration.

2) Design of the permanent hookup of well EW-1 was lower than planned as only minor changes were needed to an existing design.

3) Cost for performing general operating and maintenance and minor modification activities have been lower than planned as the system has been running smoothly.

4) Cost for collecting depth-discrete groundwater and soil samples during the installation of new wells was less than planned.

Usage Based Services (-$1.7M)

Increased cost associated with training due to the additional ARRA work in FY2010 and fleet services cost that occurred in FY2009. Overruns will continue to be funds managed within the S&GRP project.

Ramp-up & Transition (-$2.7M)

Projected cost/accrual for the employee rewards and recognition program exceeded plan.

PROJECT BASELINE PERFORMANCE
Contract-to-Date

ARRA

CTD Schedule Performance: (-$4.7M/-2.8%)

ARRA RL-0040.R1.1 U Plant/Other D&D (-$4.1M)

The negative schedule variance is due to late award of the grout contract for U Canyon (-$2.8M), delays with the 200E Administration Buildings (-$1.8M) due to bio-hazard and radiological control issues, delay in receiving capital equipment (-$0.3M), and U Ancillary demolition (-$0.4M) schedule delays due to asbestos abatement/respirator issues. This is offset by accelerating 209E demolition preparation, mobilization, and asbestos abatement (+$1.1M). Minor accounts within threshold (-$0.1M).

ARRA RL-0040.RI.2 Outer Zone D&D (-$0.6M)

The contract-to-date unfavorable schedule variance (-$0.1M) is due to deferral of work on 600-220, 600-226, and 200-W-147-PL pending approval of regulatory documentation. Several ALE towers have not been released for work causing a negative schedule variance (-$0.6M) and the Railcars Disposition was started early (+0.1M).

CTD Cost Performance: (+$21.5M/+12.3%)

ARRA RL-0040.R1.1 U Plant/Other D&D (+$13.1M)

The favorable cost variance is largely due to favorable performance of the Cold and Dark teams and the Sampling and Characterization/Waste Identification Form teams (D4) (+$3.0M), G&A and direct distributable allocations (+$8.5M), less for Program Management than planned (+$0.8M), efficiencies at U Canyon (D4) (+$3.1M), less resources than planned for C-3 Sampling (+$0.7M) and 200E Administration (+$2.1M), lower than planned costs for capital equipment (D4) (+$2.6M), offset by increased material and equipment costs, increased use of masks and respirators due to the unexpected asbestos levels in the ancillary buildings in U Ancillary (D4) (-$6.3M), coupled with increased insulator staff and overtime to recover schedule, 209E Project (+$0.3M) and higher MSA (-$1.9M) costs for Fleet/Training, etc. In addition, minor accounts outside the threshold (+$0.2M).

ARRA RL-0040.RI.2 Outer Zone D&D (+$8.4M)

The favorable cost variance is due to efficiencies in ALE Facilities D&D (+$4.2M) and Outer Area waste sites (+$5.4M). The waste site favorable cost-to-date variance is due to an O Zone RTD Waste Sites adjustment (pass back) to ERDF waste disposal costs reflecting the operational efficiencies of the super dump trucks

In addition, a negative cost variance is associated with the disposition of railcars (-$0.1M) due to unplanned costs for non-destructive analysis of the cars and increase costs for the 212N/P/R Project (-$1.1M) due to the walls of the basins being much thicker than estimated.

PROJECT BASELINE PERFORMANCE
Contract-to-Date

Base

CTD Schedule Performance: (-$0.2M/-0.30.0%)
Within reporting threshold.

CTD Cost Performance: (+$6.2M/+12.7%)
The favorable cost variance is associated with recognized efficiencies for demolition of the Industrial 7 Project (D4) (+$0.6M) as a result of utilization of existing site equipment and materials, surveillance and maintenance costs (D4) (+$1.0M) less than expected, completed the sampling of Cell 30 with less resources than planned (+$0.9M), Program Management utilizing less resources (+$1.1M), capital equipment (+$0.3M), Usage Base Services (+$0.1M) and underrun in G&A and direct distributable allocations (+$0.6M). In addition, minor accounts outside the threshold (+$0.9M).
The favorable cost variance for Waste Sites (+$0.7M) is due to less extensive regulatory support labor required for the U Zone agreement-in-principal and an inadvertent overstatement of performance related to the 600 Central Landfill barrier in March 2010 and the completion of a confirmatory sampling waste site located within BC Controlled Area.

Planned Activities
Next 6 Months

100-NR-2

- Received Ecology comments on the Draft B of the 100-N Area RI/FS Work Plan Addendum and SAP, and subsequently produce final Rev. 0 for approval and issuance.
- Prepare the RD/RA WP for the IROD Amendment.

100-HR-3

- Complete the HR-3 Expansion utilizing to total capacity from HR-3, DR-5 and DX. Once the DX ATP is complete (expected in Nov. 2010), the OU P&T capacity will be 900 gpm.

100-FR-3

- Issue an EE/CA for 100-FR-3.

100-BC-5

- Issue an EE/CA for 100-BC-5.

100-KR-4

- Draft the RI/FS Report and PP.

Planned Activities
Next 6 Months

200-BP-5

- Complete Draft A Treatability Test Plan for the B-Complex Area (transmitted to Ecology for comments on 9/24/2010).
- Complete Decisional Draft of the Remedial Investigation (RI) Report.
- Complete the 200-BP-5 and 200-PO-1 Combined FS Report.

200-PO-1

- Complete the RI Report.
- Complete preparation of the 200-BP-5 and 200-PO-1 Combined FS Report.

200-UP-1

- Complete the Draft A combined RI/FS Report and Proposed Plan (transmitted to Ecology for comments on 9/24/2010).

200-ZP-1 / 200-PW-1 SVE

- Continue Treatability Testing using activated carbon for Tc-99 removal.
- Complete all road crossing and laying of HDPE piping.
- Complete construction of shell for transfer buildings as well as RAD/Bio-Process buildings.
- Continue work on simulator-based training program.

Planned Activities
Next 6 Months

200-MG-1/2
- Implement the 200-MG-1 RAWP and SAP for added 37 Outer –Area Waste.
- Ecology has promised to sign off TPA Change Notices approving the addition of nine waste sites.

200-IS-1
- Revise the RFI/CMS & RI/FS Work Plan for 200-IS-1.

200-PW-1/3/6 and CW-5
- Draft 200-PW-1/3/6 C FS to EPA for review and comment.
- Finalize 200-CW-5 FS.
- Finalize 200-PW-1/3/6 and 200-CW-5 PP.

200-Deep Vadose (Uranium)Treatability Test Plan
- Submit the Field Test Plan for the Uranium Sequestration activity to the regulators for review and comment.

Issues

- Regulatory Document Review and Prioritization
- Sampling Stop Work – Still not lifted