



0063361

Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

JAN 12 2005

05-AMCP-0126

Mr. Nicholas Ceto, Program Manager
Office of Environmental Cleanup
Hanford Project Office
U.S. Environmental Protection Agency
712 Swift Boulevard, Suite 5
Richland, Washington 99352

Mr. Michael A. Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton Boulevard
Richland, Washington 99352

RECEIVED
JAN 18 2005

EDMC

Addressees:

COMPLETION OF GROUNDWATER MONITORING WELLS REQUIRED BY THE HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (TRI-PARTY AGREEMENT) INTERIM MILESTONE M-024-57 FOR CALENDAR YEAR (CY) 2004

With this letter the U.S. Department of Energy, Richland Operations Office (RL) is notifying the U.S. Environmental Protection Agency (EPA) and the State of Washington Department of Ecology (Ecology) that the scope of Tri-Party Agreement Interim Milestone M-024-57, "Install a cumulative of 30 wells by December 31, 2004" (Milestone Change Number M-24-04-01, dated July 14, 2004, as modified by Document Change Control Form CN 139, dated December 8, 2004) was successfully completed by the December 31, 2004, due date. "Completion" is defined as the well being in a sample-ready condition.

The attached Table 1 summarizes the 30 wells required by the Tri-Party Agreement milestone and their completion dates. The attached table II describes eight additional out-year groundwater monitoring wells that were also completed in CY 2004, ahead of the M-24 Milestone schedule. Please note that the two wells deferred from CY 2004 TO CY 2005 by CN 139 (Wells C4300 and 4301) were completed in the last few days of December 2004. The RL staff and I appreciate the collegial efforts of your staff and management team that helped make this effort a success.

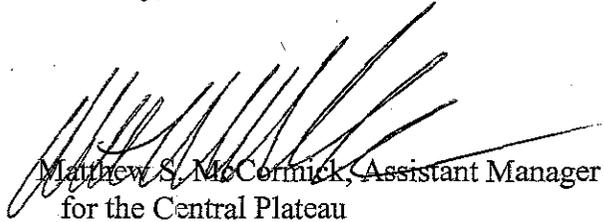
Addressees
05-AMCP-0126

-2-

JAN 12 2005

If you have questions, please contact me, or your staff may contact Michael Thompson, Office of the Assistant Manager for the Central Plateau, on (509) 373-0750.

Sincerely,



Matthew S. McCormick, Assistant Manager
for the Central Plateau

AMCP:KMT

Attachments

cc w/attachs:

D. Bartus, EPA
L. D. Crass, FHI
L. J. Cusack, Ecology
D. Goswami, Ecology
S. Harris, CTUIR
J. E. Hedges, Ecology
J. S. Hertzal, FHI
A. Huckaby, Ecology
R. Jim, YN
S. Luttrell, PNNL
T. Martin, HAB
E. J. Murphy-Fitch, FHI
K. Niles, ODOE
P. Sobotta, NPT
R. T. Wilde, FHI
B. A. Williams, PNNL
R. M. Yasek, ORP
Administrative Record (H6-08)

Attachment 1: Groundwater Protection, Monitoring and Remediation Well Installation Calendar
Years 2003 and 2004

Well #	OU/Other	Comments	Program/Facility Name/ Locations	Justification/Purpose	Deep Borehole	Actual Completion Date
4117	KR-4	199-K-129	CERCLA/100-KR-4 OU/River	Chromium extraction/performance monitoring		2/27/03
4120	KR-4	199-K-130	CERCLA/100-K-R-4 OU/River	Chromium monitoring well		2/27/03
4073	FF-5	699-S6-E4L	CERCLA/300-FF-5 OU/618- 10 Burial Ground	Burial Ground monitoring well		3/6/03
4072	FF-5	699S6-E4K	CERCLA/300-FF-5 OU/618- 10 Burial Ground	Burial Ground monitoring well		3/6/03
4119	ZP-1 ext well 1	299-W15-45	CERCLA/ZP-1 OU	ZP-1 OU Pump and Treat requires replacement for extraction well #1		4/8/03
18828	RCRA RL	299-W26-14	RCRA RL/216-S-10 Ditch/ mid-section of ditch on south side of WMA perimeter	Site in Detection. Opportunity to integrate with CERCLA borehole drilling in FY 2003		4/28/03
4124	RCRA ORP	299-E27-22	RCRA ORP/WMA C SST/north end of WMA perimeter	Site in detection. Upgradient detection/ complete point of compliance (POC) network.		9/29/03
4125	RCRA ORP	299-E27-4	RCRA ORP/WMA C SST/southwest of WMA perimeter	Site in detection. Contaminant detection/ complete downgradient POC coverage.		9/29/03
4127	RCRA ORP	299-E27-21	RCRA ORP/WMA C SST/south of WMA perimeter	Site in detection. Contaminant detection/ complete downgradient POC coverage.		9/29/03
4190	RCRA ORP	299-E27-23	RCRA ORP/WMA C SST/south of WMA perimeter	Site in detection. Contaminant detection/ complete downgradient POC coverage.		9/29/03
4122	RCRA ORP	299-E25-93	RCRA ORP/WMA A-AX SST/southeast of WMA perimeter	Site in detection. Contaminant detection/ complete downgradient POC coverage.		9/29/03
4123	RCRA ORP	299-E24-22	RCRA ORP/WMA A-AX SST/northwest of WMA perimeter	Site in detection. Upgradient detection/ complete (POC) network.		9/29/03
4237	ZP-1	299-W17-1	CERCLA/200-ZP-1	200-ZP-1 OU upgradient monitoring well		12/23/03
4185	HR-3	199-D5-32	CERCLA/100 HR-3 OU/River	Chromium monitoring well		12/30/03
4186	HR-3	199-D5-33	CERCLA/100HR-3 OU/River	Chromium monitoring well		12/30/03
4187	HR-3	199-D5-34	CERCLA/100HR-3 OU/River	Chromium monitoring well		12/30/03
4184	ZP-1 #4	299-W15-47	CERCLA/ZP-1 OU	ZP-1 OU Pump and Treat requires replacement and extraction well #4		02/12/04

Vell #	OU/Other	Comments	Program/Facility Name/ Locations	Justification/Purpose	Deep Borehole	Actual Completion Date
4235	UP-1 "S"	699-40-65	CERCLA /200-UP-1 OU	Install Well "S" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	02/12/04
4238	ZP-1 "G"	299-W13-1	CERCLA/200-ZP-1 OU	Install Well "G" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	02/12/04
4236	UP-1 "O"	699-38-70B	CERCLA /200-UP-1 OU	Install Well "O" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	03/17/04
4256	UP-1 "N"	699-38-70C	CERCLA /200-UP-1 OU	Install Well "N" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	03/17/04
4257	RCRA ORP	299-E24-33	RCRA ORP/WMA A-AX SST west of WMA perimeter	Site in detection. Upgradient detection/ complete (POC) network		09/24/04
4261	RCRA ORP	299-E33-49	RCRA ORP/WMA B-BX-BY SST/ south side of 241-BX perimeter	Site in assessment. Contaminant detection/ complete downgradient POC coverage.		09/24/04
4260	RCRA ORP	299-E33-48	RCRA ORP/WMA B-BX-BY SST/ south side of 241-B perimeter	Site in assessment. Contaminant detection/ complete downgradient POC coverage.		09/24/04
4259	RCRA ORP	299-E33-47	RCRA ORP/WMA B-BX-BY SST/east side of 241-B perimeter	Site in assessment. Contaminant detection/ complete downgradient POC coverage.		09/24/04
4258	RCRA ORP	299-W19-47	RCRA ORP/WMA U SST/northeast side of WMA perimeter	Site in assessment. Contaminant detection/ complete downgradient POC coverage.		09/24/04
4299	UP-1 "P"	699-36-70B	CERCLA /200-UP-1 OU	Install Well "P" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	10/29/04
4298	UP-1 "R"	699-30-66	CERCLA /200-UP-1 OU	Install Well "R" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	11/11/04
4303	ZP-1 "D"	299-W18-16	CERCLA/200-ZP-1 OU	Install Well "D" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	12/29/04
4639	UP-1 "Q"	299-W21-2	CERCLA /200-UP-1 OU	Install Well "Q" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	12/22/04

**Attachment 2: Groundwater Protection, Monitoring and Remediation Well Installation
Additional Wells Installed in Calendar Year 2004**

Well #	OU/Other	Comments	Program/Facility Name/ Locations	Justification/Purpose	Deep Borehole	Actual Completi o Date
4474	HR-3 D monitoring/extraction well	199-D8-73	CERCLA/100-HR-3 OU/River	Chromium extraction well/performance monitoring		08/23/04
4536	HR-3 D monitoring well	199-D8-88	CERCLA/100-HR-3 OU/River	Chromium monitoring well		08/23/04
4583	HR-3 D monitoring well	199-D5-92	CERCLA/100-HR-3 OU/River	Chromium monitoring well		08/23/04
4300	UP-1 "K"	299-W19- 148	CERCLA/200-UP-1 OU/ south of U-17 Crib (K)	Install Well "K" identified on map in Appendix A, DOE/RL- 2002-17, Rev. 0.	X	12/30/04
4301	ZP-1 "C"	299-W15-49	CERCLA/200-ZP-1 OU	Install Well "C" identified on map in Appendix A, DOE/RL- 2002-17, Rev. 0.	X	12/29/04
4561	FH #1 KR-4	199-K-131	CERCLA/100-KR-4 OU/River	Chromium extraction/performance monitoring		09/28/04
4665	299-E25-94		RCRA RL/WMA A-AX SST	Site in detection. Contaminant detection/ complete downgradient POC coverage.		09/30/04
4670	BHI KR-4	199-K-132	CERCLA/100-KR-4 OU/River	BHI well		10/03/04

Attachment 1: Groundwater Protection, Monitoring and Remediation Well Installation Calendar
Years 2003 and 2004

Well #	OU/Other	Comments	Program/Facility Name/ Locations	Justification/Purpose	Deep Borehole	Actual Completion Date
4117	KR-4	199-K-129	CERCLA/100-KR-4 OU/River	Chromium extraction/performance monitoring		2/27/03
4120	KR-4	199-K-130	CERCLA/100-K-R-4 OU/River	Chromium monitoring well		2/27/03
4073	FF-5	699-S6-E4L	CERCLA/300-FF-5 OU/618- 10 Burial Ground	Burial Ground monitoring well		3/6/03
4072	FF-5	699S6-E4K	CERCLA/300-FF-5 OU/618- 10 Burial Ground	Burial Ground monitoring well		3/6/03
4119	ZP-1 ext well 1	299-W15-45	CERCLA/ZP-1 OU	ZP-1 OU Pump and Treat requires replacement for extraction well #1		4/8/03
18828	RCRA RL	299-W26-14	RCRA RL/216-S-10 Ditch/ mid-section of ditch on south side of WMA perimeter	Site in Detection. Opportunity to integrate with CERCLA borehole drilling in FY 2003		4/28/03
4124	RCRA ORP	299-E27-22	RCRA ORP/WMA C SST/north end of WMA perimeter	Site in detection. Upgradient detection/ complete point of compliance (POC) network.		9/29/03
4125	RCRA ORP	299-E27-4	RCRA ORP/WMA C SST/southwest of WMA perimeter	Site in detection. Contaminant detection/ complete downgradient POC coverage.		9/29/03
4127	RCRA ORP	299-E27-21	RCRA ORP/WMA C SST/south of WMA perimeter	Site in detection. Contaminant detection/ complete downgradient POC coverage.		9/29/03
4190	RCRA ORP	299-E27-23	RCRA ORP/WMA C SST/south of WMA perimeter	Site in detection. Contaminant detection/ complete downgradient POC coverage.		9/29/03
4122	RCRA ORP	299-E25-93	RCRA ORP/WMA A-AX SST/southeast of WMA perimeter	Site in detection. Contaminant detection/ complete downgradient POC coverage.		9/29/03
4123	RCRA ORP	299-E24-22	RCRA ORP/WMA A-AX SST/northwest of WMA perimeter	Site in detection. Upgradient detection/ complete (POC) network.		9/29/03
4237	ZP-1	299-W17-1	CERCLA/200-ZP-1	200-ZP-1 OU upgradient monitoring well		12/23/03
4185	HR-3	199-D5-32	CERCLA/100 HR-3 OU/River	Chromium monitoring well		12/30/03
4186	HR-3	199-D5-33	CERCLA/100HR-3 OU/River	Chromium monitoring well		12/30/03
4187	HR-3	199-D5-34	CERCLA/100HR-3 OU/River	Chromium monitoring well		12/30/03
4184	ZP-1 #4	299-W15-47	CERCLA/ZP-1 OU	ZP-1 OU Pump and Treat requires replacement and extraction well #4		02/12/04

Well #	OU/Other	Comments	Program/Facility Name/ Locations	Justification/Purpose	Deep Borehole	Actual Completion Date
4235	UP-1 "S"	699-40-65	CERCLA /200-UP-1 OU	Install Well "S" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	02/12/04
4238	ZP-1 "G"	299-W13-1	CERCLA/200-ZP-1 OU	Install Well "G" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	02/12/04
4236	UP-1 "O"	699-38-70B	CERCLA /200-UP-1 OU	Install Well "O" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	03/17/04
4256	UP-1 "N"	699-38-70C	CERCLA /200-UP-1 OU	Install Well "N" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	03/17/04
4257	RCRA ORP	299-E24-33	RCRA ORP/WMA A-AX SST west of WMA perimeter	Site in detection. Upgradient detection/ complete (POC) network		09/24/04
4261	RCRA ORP	299-E33-49	RCRA ORP/WMA B-BX-BY SST/ south side of 241-BX perimeter	Site in assessment. Contaminant detection/ complete downgradient POC coverage.		09/24/04
4260	RCRA ORP	299-E33-48	RCRA ORP/WMA B-BX-BY SST/ south side of 241-B perimeter	Site in assessment. Contaminant detection/ complete downgradient POC coverage.		09/24/04
4259	RCRA ORP	299-E33-47	RCRA ORP/WMA B-BX-BY SST/east side of 241-B perimeter	Site in assessment. Contaminant detection/ complete downgradient POC coverage.		09/24/04
4258	RCRA ORP	299-W19-47	RCRA ORP/WMA U SST/northeast side of WMA perimeter	Site in assessment. Contaminant detection/ complete downgradient POC coverage.		09/24/04
4299	UP-1 "P"	699-36-70B	CERCLA /200-UP-1 OU	Install Well "P" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	10/29/04
4298	UP-1 "R"	699-30-66	CERCLA /200-UP-1 OU	Install Well "R" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	11/11/04
4303	ZP-1 "D"	299-W18-16	CERCLA/200-ZP-1 OU	Install Well "D" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	12/29/04
4639	UP-1 "Q"	299-W21-2	CERCLA /200-UP-1 OU	Install Well "Q" identified on map in Appendix A, DOE/RL-2002-17, Rev. 0.	X	12/22/04