1226551
[0084956]

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

14-AMRP-0196

JUN 02 2014

Ms. J. A. Hedges, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton
Richland, Washington 99354

RECEIVED
JUL 29 2014
EDMC

Mr. D. A. Faulk, Program Manager
Office of Environmental Cleanup
Hanford Project Office
U.S. Environmental Protection Agency
309 Bradley Boulevard, Suite 115
Richland, Washington 99352

Addressees:

COMPLETION OF HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (TRI-PARTY AGREEMENT) MILESTONE M-024-58 FOR CALENDAR YEAR 2014 AND MILESTONE M-024-65

This letter is providing proposed well drilling scope and schedule to the State of Washington Department of Ecology and U.S. Environmental Protection Agency to "initiate discussions of well commitments to reaffirm the selected wells and recommend any new well installations needed to maintain a three-year rolling prioritized drilling schedule consistent with sitewide clean-up priorities." The U.S. Department of Energy Richland Operations Office is providing the proposed well drilling for the M-024 Milestone through Calendar Year 2018. Also provided is the list of wells to be drilled that are not included in the milestone for information.

This action completes Tri-Party Agreement Milestone M-024-58G, "Initiate Discussions of Well Commitments," for Calendar Year 2014. The second purpose is to notify the State of Washington Department of Ecology and U.S. Environmental Protection Agency of the completion of Tri-Party Agreement Milestone M-024-65, "DOE Shall Complete the Construction of All Wells Identified in M-24-11-01 Description." All of the wells identified for 2014 compliance were completed by October 2, 2013, as documented.

If you have any questions, please contact me, or your staff may contact, Briant Charboneau, of my staff, on (509) 373-6137.

Sincerely,

FOR

Ray J. Corey, Assistant Manager
for the River and Plateau

AMRP:KMT

Attachments

cc w/attachs:
G. Bohnee, NPT
R. Buck, Wanapum
L. M. Dittmer, CHPRC
S. Harris, CTUIR
S. Hudson, HAB
R. Jim, YN
R. A. Kaldor, MSA
N. M. Menard, Ecology
K. Niles, ODOE
R. E. Piippo, MSA
D. Rowland, YN
Administrative Record
Environmental Portal

#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
1	C7626	100-HR-3	199-H3-6	100-HR-3 #6	100-HR-3-H	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2014 M-24
2	C7627	100-HR-3	199-H3-7	100-HR-3 #7	100-HR-3-H	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2014 M-24
3	C7628	100-HR-3	199-H6-3	100-HR-3 #8	100-HR-3-H	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2014 M-24
4	C7629	100-HR-3	199-H6-4	100-HR-3 #9	100-HR-3-H	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2014 M-24
5	C7630	100-HR-3	199-H1-7	100-HR-3 #10	100-HR-3-H	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2014 M-24
6	C7631	100-HR-3	199-H2-1	100-HR-3 #11	100-HR-3-H	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2014 M-24
7	C7639	100-HR-3	199-H3-9	100-HR-3 #13	100-HR-3-H	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2014 M-24
8	C7640	100-HR-3	199-H3-10	100-HR-3 #14	100-HR-3-H	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2014 M-24
9	C8375	100-HR-3	199-D5-143	100-HR-3 #16	100-HR-3	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2014 M-24
10	C8187	100-NR-2	199-N-185	100-NR-2 #4	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 9/29/2011	CY 2014 M-24
11	C8184	100-NR-2	199-N-182	100-NR-2 #1	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 9/29/2011	CY 2014 M-24
12	C8185	100-NR-2	199-N-183	100-NR-2 #2	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 9/29/2011	CY 2014 M-24
13	C8186	100-NR-2	199-N-184	100-NR-2 #3	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 9/29/2011	CY 2014 M-24
14	C8188	100-NR-2	199-N-186	100-NR-2 #5	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 9/29/2011	CY 2014 M-24
15	C8189	100-NR-2	199-N-187	100-NR-2 #6	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 9/29/2011	CY 2014 M-24
16	C8190	100-NR-2	199-N-188	100-NR-2 #7	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 9/29/2011	CY 2014 M-24
17	C8191	100-NR-2	199-N-189	100-NR-2 #8	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 9/29/2011	CY 2014 M-24
18	C8204	RCRA	299-E26-14	RCRA	200-BP-5	LERF Monitoring Well - North of facility	Accepted 9/29/2011	CY 2014 M-24
19	C8201	RCRA	299-W9-2	RCRA	200-ZP-1	LLWMA-3 Monitor Mixed-Waste Trenches 31 and 34, Up-gradient	Accepted 9/29/2011	CY 2014 M-24
20	C8241	200-UP-1	299-W22-96	200-UP-1	200-UP-1	Monitoring Well in 200-UP-1 Groundwater OU	Accepted 10/19/201	CY 2014 M-24
21	C8668	100-HR-3	199-D5-144	WFO #1	100-HR-3	Replacement well 100-D-12 RI/FS	Accepted 11/9/2011	CY 2014 M-24
22	C8242	200-BP-5	299-E33-267	200-BP-5	200-BP-5	Monitoring well in the 200-BP-5 Groundwater OU	Accepted 2/15/2012	CY 2014 M-24
23	C8725	100-HR-3	199-D5-145	100-HR-3 #1	100-HR-3-D	WCH replacement monitoring wells	Accepted 4/22/2013	CY 2014 M-24
24	C8728	100-HR-3	199-D5-148	100-HR-3 #2	100-HR-3-D	WCH replacement monitoring wells - Injection (DX)	Accepted 4/22/2013	CY 2014 M-24

#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
25	C8727	100-HR-3	199-D5-147	100-HR-3 #3	100-HR-3-D	WCH replacement monitoring wells	Accepted 4/22/2013	CY 2014 M-24
26	C8726	100-HR-3	199-D5-146	100-HR-3 #4	100-HR-3-D	WCH replacement monitoring wells - Injection (DX)	Accepted 4/22/2013	CY 2014 M-24
27	C8723	100-HR-3	199-H4-85	100-HR-3 #5	100-HR-3-H	WCH replacement monitoring wells	Accepted 4/22/2013	CY 2014 M-24
28	C8724	100-HR-3	199-H4-86	100-HR-3 #6	100-HR-3-H	WCH replacement monitoring wells	Accepted 4/22/2013	CY 2014 M-24
29	C8787	100-HR-3	199-H4-90	100-HR-3	100-HR-3 HX IRM	Delineation of Cr(VI) plume to the southwest, located to the south of 199-H3-10 and Solar Evaporation Basin, DH-01	Accepted 10/2/2013	CY 2014 M-24 Well
30	C8788	100-HR-3	199-H4-91	100-HR-3	100-HR-3 HX IRM	Delineation of Cr(VI) plume within the RUM, DH-02, South of 199-H3-9	Accepted 10/2/2013	CY 2014 M-24

M-024 CY 2015 through CY 2017
CY 2014 Completed included

	A	C	D	E	F	G	H	I	J
1	#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
32	31	C8240	RCRA	299-W22-95	RCRA - FY 2013	200-UP-1 SST S-SX, RCRA	Downgradient Existing RCRA monitoring well 299-W22-26 is dry (FY 2013). It is located on the east side of the 216-S-9 Crib downgradient from the S Tank Farm. This monitoring point is being relocated to the north side of the 216-S-9 Crib in anticipation that the groundwater flow direction will change from east to east-northeast in response to the 200-ZP-1 P&T activities.	Accepted 11/5/2013	CY 2015 M-24 Well
33	32	C8203	RCRA	299-W22-94	RCRA - FY 2013	200-UP-1 SST S-SX RCRA	Existing RCRA monitoring well 299-W22-48 dry. This well is on the south boundary of the plume from the S Tank Farm and has low concentrations of technetium-99, nitrate, and chromium.	Accepted 11/5/2013	CY 2015 M-24 Well
34	33	C8778	100-BC-5	199-B4-18	100-BC-5	100-BC-5 Partner with 199-B4-7	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/4/2014	CY 2015 M-24 Well
35	34	C8779	100-BC-5	199-B5-9	100-BC-5	100-BC-5 Northeast of 100-C-7:1 (near site)	Addition to well monitoring network as specifiec in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/4/2014	CY 2015 M-24 Well
36	35	C8783	100-BC-5	199-B5-13	100-BC-5	100-BC-5 Partner with 199-B5-1	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/4/2014	CY 2015 M-24 Well
37	36	C8784	100-BC-5	199-B5-14	100-BC-5	100-BC-5 West of central	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/4/2014	CY 2015 M-24 Well
38	37	C8776	100-BC-5	199-B4-16	100-BC-5	100-BC-5 East of central	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/19/2014	CY 2015 M-24 Well
39	38	C8780	100-BC-5	199-B5-10	100-BC-5	100-BC-5 Northeast of 100-C-7:1 (near site)	Addition to well monitoring network as specifiec in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/19/2014	CY 2015 M-24 Well
40	39	C8781	100-BC-5	199-B5-11	100-BC-5	100-BC-5 Northeast of 100-C-7 (mid-distance)	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/19/2014	CY 2015 M-24 Well
41	40	C8782	100-BC-5	199-B5-12	100-BC-5	100-BC-5 Northeast of 100-C-7 (mid-distance)	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/19/2014	CY 2015 M-24 Well
42	41	C8772	200-PO-1	699-24-36	200-PO-1	200-PO-1 NRDWL/SWL RCRA	NRDWL/SWL monitoring well - 1 of the 2 new upgradient monitoring wells proposed and shown in Figure 4-1 in DOE/RL-2010-28, northwest of NRDWL or west of SWL and well 699-24-35. See Figure 4-1 in DOE/RL-2010-28, Rev.1 Groundwater Monitoring Plan.	Accepted 3/27/2014	CY 2015 M-24 Well
43	42	C8200	200-PO-1	699-25-34E	200-PO-1	200-PO-1 NRDWL/SWL RCRA	NRDWL/SWL monitoring well - Northeast side of NRWDL/SWL waste management area, and southeast of current well 699-25-34C. See Figure 4-1 in DOE/RL-2010-28, Rev. 1 Groundwater Monitoring Plan	Accepted 3/27/2014	CY 2015 M-24 Well
44	43	C8774	200-PO-1	699-26-38	200-PO-1	200-PO-1 NRDWL/SWL RCRA	NRDWL/SWL monitoring well - Northeast side of NRWDL/SWL waste management area, and southeast of current well 699-25-34C. See Figure 4-1 in DOE/RL-2010-28, Rev. 1 Groundwater Monitoring Plan	Accepted 3/27/2014	CY 2015 M-24 Well
45	44	C8289	100-KR-4	199-K-202	100-KR-4	100-KR-4	There are no remaining monitoring wells within the extreme concentration Sr-90 plume downgradient of the former 105-KE fuel storage basin. Well 199-K-141 has exhibited rapidly-increasing Sr-90 concentration since starting extraction at that location. This plume is unmonitored and migration of Sr-90 poses a risk to continued successful operation of the 100-KX P&T system	Accepted 4/7/2014	CY 2015 M-24 Well
46	45	C8916	200-BP-5	699-46-91	Modutank #1	200-BP-5 RCRA	Modutank Monitoring Wells Upgradient Modutank monitoring well. Based on DOE/RL-2009-39, if the modular storage unit will be used after 8/5/2014 or if there is evidence of leakage from the modular storage units to the environment, RL will implement groundwater monitoring. WAC 173-303-645 states the department will specify in the facility permit the points of compliance. Based on 40 CFR 265.91 it is assumed one upgradient and three downgradient wells will be required if modutanks continue to operate beyond 8/5/2014.	Accepted 5/6/2014	CY 2015 M-24 Well

M-024 CY 2015 through CY 2017
CY 2014 Completed included

	A	C	D	E	F	G	H	I	J
1	#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
47	46	C8925	200-UP-1	299-W18-260	200-UP-1	200-UP-1 WMA U RCRA	Existing RCRA monitoring well 299-W18-30 is forecast to become dry anytime (FY 2013). It is the northernmost well in the monitoring network. This will become an important monitoring location in the future because the groundwater flow direction at WMA U is expected to change from east to northeast in response to the 200-ZP-1 P&T activities		CY 2015 M-24 Well
48	47	C8922	200-PO-1	299-E25-237	200-PO-1	200-PO-1 RCRA	Replace decommissioned RCRA well 299-E25-236. Characterize nature of perch horizon, which is associated with accelerated casing corrosion at three nearby wells.		CY 2015 M-24 Well
49	48	C8923	200-BP-5	299-E33-360	200-BP-5	200-BP-5 RCRA	Replacement well for non-WAC compliant well 299-E33-18, decommissioned FY 2013 Permit conditions for WMA B/BX/BY.		CY 2015 M-24 Well
50	49	C8924	200-BP-5	299-E33-361	200-BP-5	200-BP-5 RCRA/CERCLA	SW Downgradient well for WMA B/BX/BY Nearfield well southeast of WMA B/BX/BY between well 299-E33-37 and the 207-B Retention Basin at top of aquifer		CY 2015 M-24 Well
51	50	C8926	200-UP-1	299-W19-112	200-UP-1	WMA U RCRA	SST S-SX monitoring well east of SX Farm Replacement well 299-W19-12, not RCRA/WAC compliant		CY 2015 M-24
52	51	C8290	100-KR-4	199-K-203	100-KR-4	100-KR-4 approx 70 m North toward river of former well 199-K-29 CERCLA	There are no remaining monitoring wells within the extreme concentration C-14 plume downgradient of the former 116-KE-1 Gas Dryer Condensate CribWell 199-K-141 has exhibited increasing C-14 concentration since starting extraction at that location. This plume is unmonitored; migration of C-14 and potential interception of the plume by extraction wells poses a risk to continued successful operation of the 100-KX P&T system.	FY 2014 buy back funding cultural/eco review and excav permit to complete 5/23/14	CY 2015 M-24 Well
53	52	C8291	100-KR-4	199-K-204	100-KR-4	100-KR-4 CERCLA	There are no monitoring wells in this area that transport estimates indicate contains the highest estimated C-14 concentration plume at 100-K . Migration of C-14 toward the river and potential interception of the plume by extraction wells poses a risk to continued successful operation of the 100-KW P&T system.	FY 2014 buy back funding cultural/eco review and excav permit to complete 5/23/14	CY 2015 M-24 Well
54	53	C8294	100-KR-4	199-K-207	100-KR-4	100-KR-4 CERCLA	High residual vadose zone contamination by tritium was observed at the completion of soil RTD at the burial ground in the vicinity. No monitoring wells currently provide observation of potential ongoing contributions to groundwater contamination. Groundwater monitoring and vadose zone release detection.	FY 2014 buy back funding cultural/eco review and excav permit to complete 5/23/14	CY 2015 M-24 Well
55	54	C8296	100-KR-4	199-K-209	100-KR-4	100-KR-4 CERCLA	Unmonitored area between inland monitoring wells that exhibit hexavalent chromium Midway between existing wells 199-K-194 and 699-77-54	FY 2014 buy back funding cultural/eco review and excav permit to complete 5/23/14	CY 2015 M-24 Well
56	55	TBD	200-BP-5	TBD	Modutank #2	200-BP-5 RCRA	Modutank Monitoring Wells Downgradient Modutank monitoring well. Based on DOE/RL-2009-39, if the modular storage unit will be used after 8/5/2014 or if there is evidence of leakage from the modular storage units to the environment, RL will implement groundwater monitoring. WAC 173-303-645 states the department will specify in the facility permit the points of compliance. Based on 40 CFR 265.91 it is assumed one upgradient and three downgradient wells will be required if modutanks continue to operate beyond 8/5/2014.	funded in FY 2014 will be waiting at least 45 days for path forward for the location of the next three wells	CY 2015 M-24 Well
57	56	TBD	200-BP-5	TBD	Modutank #3	200-BP-5 RCRA	Modutank Monitoring Wells Downgradient Modutank monitoring well. Based on DOE/RL-2009-39, if the modular storage unit will be used after 8/5/2014 or if there is evidence of leakage from the modular storage units to the environment, RL will implement groundwater monitoring. WAC 173-303-645 states the department will specify in the facility permit the points of compliance. Based on 40 CFR 265.91 it is assumed one upgradient and three downgradient wells will be required if modutanks continue to operate beyond 8/5/2014.	funded in FY 2014 will be waiting at least 45 days for path forward for the location of the next three wells	CY 2015 M-24 Well

M-024 CY 2015 through CY 2017
CY 2014 Completed included

	A	C	D	E	F	G	H	I	J
1	#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
58	57	TBD	100-NR-2	TBD	100-NR-2	CERCLA	NR-2-Compliance Issue between the Reactor and the River (replacement near 199-N-22): 571118 E, 149582 N	FY 2015 M-24 campaign is planned for seven wells	CY 2015 M-24 Well
59	58	TBD	100-NR-2	TBD	100-NR-2	CERCLA	NR-2-Compliance Issue between the Reactor and the River (replacement near 199-N-24): 571073 E, 149520 N	FY 2015 M-24 campaign is planned for seven wells	CY 2015 M-24 Well
60	59	TBD	100-NR-2	TBD	100-NR-2	CERCLA	NR-2 CERCLA data gap for final remedy (Sr-90 Plume): 571930 E, 149932 N	FY 2015 M-24 campaign is planned for seven wells	CY 2015 M-24 Well
61	60	TBD	100-NR-2	TBD	100-NR-2	CERCLA	NR-2 CERCLA data gap for final remedy (Sr-90 Plume): 571725 E, 149830 N	FY 2015 M-24 campaign is planned for seven wells	CY 2015 M-24 Well
62	61	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 NRDWL/SWL RCRA	Farfield downgradient monitoring wells proposed and shown in Figure 4.1 DOE/RL-2010-28, Rev.1) located in a slanted line on the east side of NRDWL and SWL. Replacement for well 26-33, coordinates of 579710 E, 131282 N	FY 2015 M-24 campaign is planned for seven wells	CY 2016 M-24 Well
63	62	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 NRDWL/SWL RCRA	Farfield downgradient monitoring wells proposed and shown in Figure 4.1 DOE/RL-2010-28, Rev.1) located in a slanted line on the east side of NRDWL and SWL. Replacement for well 25-34A, coordinates of 579694 E, 131229 N	FY 2015 M-24 campaign is planned for seven wells	CY 2016 M-24 Well

M-024 CY 2015 through CY 2017
CY 2014 Completed included

	A	C	D	E	F	G	H	I	J
1	#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
64	63	C8202	200-UP-1	299-W22-93	200-UP-1	200-UP-1 WMA S-SX RCRA	Existing RCRA monitoring well 299-W22-44 is forecast to become sample dry during 2013. It is within the plume from the S Tank Farm and is the nearest downgradient well from the source (tank S-104). It is also adjacent to extraction well 299-W22-90, so 299-W22-44 (or its replacement) will also be used as a remedy performance well. The replacement well, 299-W22-93, is already staked in the field. Well 299-W22-44 is listed for quarterly sampling in DOE/RL-2009-73. A SAP has been prepared that specifies the samples to be collected during drilling (DOE/RL-2010-130).	FY 2015 M-24 campaign is planned for seven wells	CY 2016 M-24 Well
65	**64**	**C8797**	**100-KR-4**	**199-K-222**	**100-KR-4 #1**	**100-KR-4**	**Monitor potential release of Sr-90 from other fission products from vadose zone beneath UPR-100-K-1, Adjacent to north side of 105-KE**	**drilling not included in FY 2014 funded**	**CY 2016 M-24 Well**
66	**65**	**C8796**	**100-KR-4**	**199-K-221**	**100-KR-4 #2**	**100-KR-4**	**Monitor potential release of Sr-90 from vadose zone beneath 116-KE-3 Crib/Reverse Well**	**drilling not included in FY 2014 funded**	**CY 2016 M-24 Well**
67	66	TBD	200-UP-1	TBD	200-UP-1	WMA S-SX RCRA	SST S-SX monitoring well east of SX Farm Replacement well 299-W22-50 going dry FY 2014	FY 2016 campaign is planned for seven wells	CY 2016 M-24 Well
68	67	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 CERCLA	NE Downgradient well for WMA B/BX/BY Nearfield well southeast of WMA B/BX/BY between well 299-E33-37 and the 207-B Retention Basin at top of aquifer	FY 2016 campaign is planned for seven wells	CY 2016 M-24 Well
69	68	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 Farfield Well WMA B/BX/BY CERCLA	NE Three additional farfield wells are recommended between well 299-E27-19 and 299-E28-5.	FY 2016 campaign is planned for seven wells	CY 2016 M-24 Well
70	69	TBD	200-BP-5	TBD	200-BP-5	Nearfield well southeast 216-B-12 Crib CERCLA	Nearfield wells are recommended southeast, east and northeast of the 216-B-12 Crib. The recommend depth is between 22 to 32 feet within the aquifer. The purpose to monitor the extent of nitrate, tritum, and uranium contamination found during BP-5 RI drilling and sampling at this depth.	FY 2016 campaign is planned for seven wells	CY 2016 M-24 Well
71	70	TBD	200-BP-5	TBD	200-BP-5	Nearfield well south of 216-B-6 Injection Well CERCLA	Nearfield wells are recommended southwest and south of the 216-B-6 Injection Well. The recommend depth is between at the bottom of the aquifer. The purpose to monitor the extent of nitrate and tritum contamination found during BP-5 RI drilling and sampling at this depth.	FY 2016 campaign is planned for seven wells	CY 2016 M-24 Well

M-024 CY 2015 through CY 2017
CY 2014 Completed included

	A	C	D	E	F	G	H	I	J
1	#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
72	71	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 CERCLA	Center Downgradient well for WMA B/BX/BY Nearfield well southeast of WMA B/BX/BY between well 299-E33-37 and the 207-B Retention Basin at top of aquifer	FY 2016 campaign is planned for seven wells	CY 2016 M-24 Well
73	72	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 Farfield Well WMA B/BX/BY CERCLA	C Three additional farfield wells are recommended between well 299-E27-19 and 299-E28-5.	FY 2016 campaign is planned for seven wells	CY 2016 M-24 Well
74	73	C8730	100-HR-3	199-D5-150	100-HR-3	100-HR-3 - WCH #1	WCH replacement monitoring wells 100-D-100 along NE upgradient edge - replacing 199-D5-144	Funded as Work for Others	CY 2016 M-24
75	74	C8731	100-HR-3	199-D5-151	100-HR-3	100-HR-3 - WCH #2	WCH replacement monitoring wells - N side of the 100-D-100 - replacing 199-D5-99	Funded as Work for Others	CY 2016 M-24
76	75	C8732	100-HR-3	199-D5-152	100-HR-3	100-HR-3 - WCH #3	WCH replacement monitoring wells E side of 100-D-100 former hotspot - replacing 199-D5-122	Funded as Work for Others	CY 2016 M-24
77	76	C8733	100-HR-3	199-H4-87	100-HR-3	100-HR-3 - WCH #4	WCH replacement monitoring wells - replacing 199-H4-48	Funded as Work for Others	CY 2016 M-24 Well Increment
78	77	C8734	100-HR-3	199-H4-88	100-HR-3	100-HR-3 - WCH #5	WCH replacement monitoring wells - replacing 199-H4-7	Funded as Work for Others	CY 2016 M-24 Well Increment
79	78	C8735	100-HR-3	199-H4-89	100-HR-3	100-HR-3 - WCH #6	WCH replacement monitoring wells - replacing 199-H4-9	Funded as Work for Others	CY 2016 M-24 Well Increment
80	79	C8729	100-HR-3	199-D5-149	100-HR-3	100-HR-3 - WCH #7	WCH replacement monitoring wells - area S of 183-D clearwells to provide downgradient monitoring of the N portion of 100-D-100 - replacing 199-D5-120	Funded as Work for Others	CY 2016 M-24 Well Increment
81	80	C8736	100-HR-3	199-D3-6	100-HR-3	100-HR-3 CERCLA	Delineation of Cr(VI) plume , South Flank - DH-06		CY 2016 M-24 Well Increment
82	81	C8793	100-HR-3	699-97-60	100-HR-3	100-HR-3 CERCLA	Delineation of Cr(VI) plume within the RUM - in the HORN by 199-D3-5 - DH-08, downgradient 699-97-48C		CY 2016 M-24 Well Increment
83	82	C8794	100-HR-3	699-97-61	100-HR-3	100-HR-3 CERCLA	Delineation of Cr(VI pume within the RUM - in the HORN - DH-09, upgradient 699-97-48C		CY 2016 M-24 Well Increment
84	83	C8298	100-KR-4	199-K-211	100-KR-4	100-KR-4 CERCLA	Riverward of 199-K-210. Previously-identified RPO well. Improve hexavalent chromium plume depiction in this vicinity		CY 2016 M-24 Well Increment
85	84	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #1		CY 2016 M-24 Well Increment
86	85	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #2		CY 2016 M-24 Well Increment
87	86	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #3		CY 2016 M-24 Well Increment
88	87	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #4		CY 2016 M-24 Well Increment
89	88	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #5		CY 2016 M-24 Well Increment
90	89	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #6		CY 2016 M-24 Well Increment
91	90	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #7		CY 2016 M-24 Well Increment
92	91	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #8		CY 2017 M-24

M-024 CY 2015 through CY 2017
CY 2014 Completed included

	A	C	D	E	F	G	H	I	J
1	#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
93	92	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #9		CY 2017 M-24

M-024 CY 2015 through CY 2017
CY 2014 Completed included

	A	C	D	E	F	G	H	I	J
1	#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
94	93	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #10		CY 2017 M-24
95	94	TBD	200-BP-5	TBD	Modutank #4	200-BP-5 RCRA	Modutank Monitoring Wells Downgradient Modutank monitoring well. Based on DOE/RL-2009-39, if the modular storage unit will be used after 8/5/2014 or if there is evidence of leakage from the modular storage units to the environment, RL will implement groundwater monitoring. WAC 173-303-645 states the department will specify in the facility permit the points of compliance. Based on 40 CFR 265.91 it is assumed one upgradient and three downgradient wells will be required if modutanks continue to operate beyond 8/5/2014.		CY 2017 M-24 Well
96	95	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement well for non-WAC compliant well 299-E27-7. Permit conditions for WMA C.		CY 2017 M-24
97	96	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 NRDWL/SWL RCRA	Farfield downgradient monitoring wells proposed and shown in Figure 4.1 DOE/RL-2010-28, Rev.1) located in a slanted line on the east side of NRDWL and SWL.		CY 2017 M-24 Well
98	97	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 WMA-S-SX RCRA	Replacement for 299-W22-45. Forecast to go dry in FY 2015/2016		CY 2017 M-24
99	98	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 WMA-S-SX RCRA	Replacement for 299-W23-15. Forecast to go dry in FY 2016/2017		CY 2017 M-24
100	99	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	200-ZP-1 RCRA Monitoring Well #1		CY 2017 M-24
101	100	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	200-ZP-1 RCRA Monitoring Well #2		CY 2017 M-24
102	101	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #1		CY 2017 M-24
103	102	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #2		CY 2017 M-24
104	103	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	LLWMA-2 monitoring well - downgradient, location TBD Contingent on results of geophysical investigations and Permit Conditions - current identified in DOE/RL 2009-76 - Green Island Wells		CY 2017 M-24 Well
105	104	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	LLWMA-2 monitoring well - downgradient location TBD Contingent on results of geophysical investigations and Permit Conditions - current identified in DOE/RL 2009-76 - Green Island Wells		CY 2017 M-24 Well
106	105	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	LLWMA-4 Monitoring well - west side - upgradient There is no upgradient well; contingent on future monitoring requirements		CY 2017 M-24 Well

M-024 CY 2015 through CY 2017
CY 2014 Completed included

	A	C	D	E	F	G	H	I	J
1	#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
107	106	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	LLWMA-3 Monitoring Well - East of Mixed-Waste Trenches 31 and 34 - Downgradient Complete the compliance-point monitoring network for Permit conditions		CY 2017 M-24 Well Increment
108	107	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 WMA S-SX RCRA	SST S-SX monitoring well east of SX Farm Replacement well 299-W22-49 going dry FY 2015/2016		CY 2017 M-24 Well Increment
109	108	TBD	100-NR-2	TBD	100-NR-2	Upgradient well for 1301-N RCRA	Replacement of A4720 199-N-57 Slowly going dry		CY 2017 M-24 Well Increment
110	109	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #11		CY 2017 M-24 Well Increment
111	110	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #12		CY 2017 M-24 Well Increment
112	111	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #13		CY 2017 M-24 Well Increment
113	112	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #14		CY 2017 M-24 Well Increment
114	113	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #15		CY 2017 M-24 Well Increment
115	114	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #16		CY 2017 M-24 Well Increment
116	115	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #17		CY 2017 M-24 Well Increment

M-024 CY 2015 through CY 2017
CY 2014 Completed included

	A	C	D	E	F	G	H	I	J
1	#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
117	116	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #18		CY 2017 M-24 Well Increment
118	117	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #19		CY 2017 M-24 Well Increment
119	118	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #20		CY 2017 M-24 Well Increment
120	119	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #21		CY 2017 M-24 Well Increment
121	120	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #22		CY 2017 M-24 Well Increment
122	121	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #23		CY 2018 M-24
123	122	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #24		CY 2018 M-24
124	123	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #25		CY 2018 M-24
125	124	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #26		CY 2018 M-24
126	125	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 CERCLA	Within footprint of former 116-KE-1 Gas Condensate Crib - potential high risk drilling		CY 2018 M-24
127	126	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 CERCLA	Within footprint of former 116-KW-1 Gas Condensate Crib - potential high risk drilling		CY 2018 M-24
128	127	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	200-ZP-1 RCRA Monitoring Well #3		CY 2018 M-24
129	128	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #3		CY 2018 M-24
130	129	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #4		CY 2018 M-24
131	130	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #5		CY 2018 M-24
132	131	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #6		CY 2018 M-24
133	132	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #7		CY 2018 M-24
134	133	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #8		CY 2018 M-24
135	134	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #9		CY 2018 M-24
136	135	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #10		CY 2018 M-24

M-024 CY 2015 through CY 2017
CY 2014 Completed included

	A	C	D	E	F	G	H	I	J
1	#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
137	136	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #11		CY 2018 M-24 Well
138	137	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #12		CY 2018 M-24 Well
139	138	TBD	RCRA	TBD	RCRA	RCRA	IDF monitoring well - downgradient Plan at least two years prior to IDF operations		CY 2018 M-24 Well
140	139	TBD	RCRA	TBD	RCRA	RCRA	IDF monitoring well - downgradient Plan at least two years prior to IDF operations		CY 2018 M-24 Well
141	140	TBD	RCRA	TBD	RCRA	RCRA	IDF monitoring well - upgradient Plan at least two years prior to IDF operations		CY 2018 M-24 Well
142	141	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4669 199-N-2 WMA-S-SX 116-N-1 RCRA		CY 2018 M-24 Well
143	142	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4679 199-N-3 116-N-1 116-N-1 RCRA		CY 2018 M-24 Well
144	143	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4683 199-N-34 116-N-3 116-N-1 RCRA		CY 2018 M-24 Well
145	144	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4677 199-N-28 WMA-C 116-N-3 RCRA		CY 2018 M-24 Well
146	145	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4681 199-N-32 116-N-3 116-N-3 RCRA		CY 2018 M-24 Well
147	146	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4689 199-N-41 WMA-U 116-N-3 RCRA		CY 2018 M-24 Well
148	147	122	100-KR-4	TBD	100-KR-4	100-KR-4 AEA	Replacement of A4643 199-K-11 WMA-B-BX-BY KE Basins		CY 2018 M-24 Well
149	148	123	100-KR-4	TBD	100-KR-4	100-KR-4 AEA	Replacement of A4644 199-K-13 WMA-T KE Basins		CY 2018 M-24 Well
150	149	123	100-KR-4	TBD	100-KR-4	100-KR-4 AEA	Replacement of A4652 199-K-23 WMA-B-BX-BY KE Basins		CY 2018 M-24 Well

M-024 CY 2015 through CY 2017
CY 2014 Completed included

	A	C	D	E	F	G	H	I	J
1	#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
151	150	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4816 299-E27-7 KE Basins WMA-C RCRA		CY 2018 M-24 Well
152	151	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4842 299-E33-15 KE Basins WMA-B-BX-BY RCRA		
153	152	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4843 299-E33-17 WMA-B-BX-BY WMA-B-BX-BY RCRA		
154	153	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4847 299-E33-20 KE Basins WMA-B-BX-BY RCRA		
155	154	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4848 299-E33-21 WMA-B-BX-BY WMA-B-BX-BY RCRA		
156	155	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4850 299-E33-26 116-N-1 WMA-B-BX-BY RCRA		
157	156	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4873 299-E33-9 SALDS WMA-B-BX-BY RCRA		
158	157	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A6788 299-E28-8 SALDS WMA-B-BX-BY RCRA		
159	158	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A6855 299-E33-16 WMA-B-BX-BY WMA-B-BX-BY RCRA		
160	159	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4765 299-E25-19 216-A-37-1 216-A-37-1 RCRA		
161	160	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4766 299-E25-2 WMA-T WMA-A-AX RCRA		
162	161	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4767 299-E25-20 216-A-37-1 216-A-37-1 RCRA		
163	162	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4771 299-E25-26 116-N-3 216-A-29 RCRA		
164	163	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 WAC	Replacement of A5089 699-24-33 WMA-T SWL WAC		
165	164	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A6031 299-E25-17 116-H-6 216-A-37-1 RCRA		
166	165	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	Replacement of A5139 699-35-66A WMA-B-BX-BY ERDF		
167	166	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A4899 299-W10-8 WMA-B-BX-BY WMA-T		
168	167	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A4902 299-W11-12 WMA-B-BX-BY WMA-T		
169	168	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A5214 699-48-71 WMA-B-BX-BY SALDS WAC		
170	169	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A5221 699-49-79 SWL SALDS		
171	170	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A5232 699-51-75 ERDF SALDS		
172	171	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A7136 299-W10-1 SITE WMA-T		
173	172	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A7137 299-W10-4 KE Basins WMA-T		
174	173	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A9730 699-51-75P SALDS SALDS		

Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year	
C7866	100-HR-3	199-D5-140	100-HR-3 #12	100-HR-3-D	Obtain Data Supporting the	Accepted 5/10/2011	CY 2013 M-24 Well	decommissioned

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
1	C7831	100-KR-4	199-K-200	BH KR-4 #1	100-KR-4	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 118/5/2010	CY 2013 M-24 Well
2	C7832	100-KR-4	199-K-201	BH KR-4 #2	100-KR-4	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 118/5/2010	CY 2013 M-24 Well
3	C7843	100-BC-5	199-B3-52	BH BC-5 #3	100-BC-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/30/2010	CY 2013 M-24 Well
4	C7846	100-BC-5	199-B4-15	BH BC-5 #4	100-BC-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/30/2010	CY 2013 M-24 Well
5	C7653	300-FF-5	399-1-54	300-FF-5 #4	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
6	C7654	300-FF-5	399-1-55	300-FF-5 #5	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
7	C7655	300-FF-5	399-1-56	300-FF-5 #6	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
8	C7656	300-FF-5	399-1-57	300-FF-5 #7	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
9	C7660	300-FF-5	399-2-32	300-FF-5 #8	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
10	C8245 replaced C7661	300-FF-5	399-6-5 replaced 399-6-4	300-FF-5 #9	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
11	C7662	300-FF-5	399-4-15	300-FF-5 #10	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
12	C7663	300-FF-5	399-3-33	300-FF-5 #11	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
13	C7852	100-HR-3-D	199-D8-101	BH HR-3 #5	100-HR-3-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/23/2011	CY 2013 M-24 Well
14	C7863	100-HR-3-H	199-H3-11	BH HR-3 #6	100-HR-3-H	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/23/2011	CY 2013 M-24 Well
15	C7857	100-HR-3-D	199-D5-142	BH HR-3 #7	100-HR-3-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/23/2011	CY 2013 M-24 Well
16	C7861	100-HR-3-H	199-H4-83	BH HR-3 #8	100-HR-3-H	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/23/2011	CY 2013 M-24 Well
17	C7860	100-HR-3-H	199-H4-84	BH HR-3 #9	100-HR-3-H	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/23/2011	CY 2013 M-24 Well
18	C7970	100-FR-3	199-F5-55	BH FR-3 #10	100-FR-3	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/15/2011	CY 2013 M-24 Well

19	C7972	100-FR-3	199-F5-56	BH FR-3 #11	100-FR-3	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/15/2011	CY 2013 M-24 Well
20	C8026	300-FF-5	399-1-61	300-DU-12	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 4/5/2011	CY 2013 M-24 Well
21	C8027	300-FF-5	399-1-62	300-DU-13	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 4/5/2011	CY 2013 M-24 Well
22	C8028	300-FF-5	399-1-63	300-DU-14	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 4/5/2011	CY 2013 M-24 Well
23	C8029	300-FF-5	399-1-64	300-DU-15	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 4/5/2011	CY 2013 M-24 Well
24	C8030	300-FF-5	399-3-38	300-DU-16	300-FF-5	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 4/5/2011	CY 2013 M-24 Well
25	C7620	100-HR-3	199-D3-5	100-HR-3 #1	100-HR-3-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
26	C7621	100-HR-3	199-D5-133	100-HR-3 #2	100-HR-3-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
27	C7622	100-HR-3	199-D5-132	100-HR-3 #3	100-HR-3-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
28	C7623	100-HR-3	199-D6-3	100-HR-3 #4	100-HR-3-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
29	C7624	100-HR-3	199-D5-134	100-HR-3 #5	100-HR-3-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
30	C7625	100-HR-3	199-D5-141	100-HR-3 #15	100-HR-3-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
1	C7564	RCRA	299-E33-265	WMA-1 #1	200-E WMA 1	RCRA WMA Well replaces dry C7566	Accepted 9/7/2010	CY 2012 M-24 Well
2	C7565	RCRA	299-E33-266	WMA-1 #2	200-E WMA 1	RCRA WMA Well	Accepted 9/7/2010	CY 2012 M-24 Well
3	C7566	RCRA	299-E34-13	WMA-1 #3	200-E WMA 1	RCRA WMA Well - Decommissioned - Not enough water	FY 2010 Decommissioned 4/1/2010	CY 2012 M-24 Well
4	C7570	RCRA	299-E27-24	SST WMA C	241-C Farm	RCRA SST WMA CWell	Accepted 9/7/2010	CY 2012 M-24 Well
5	C7664	RCRA	299-W22-89	SST WMA S/SX #1	241-S Farm	RCRA SST WMA S/SX Well	Accepted 9/7/2010	CY 2012 M-24 Well
6	C7790	100-FR-3	199-F5-52	Support 100-FR-3 RI/FS	100-F	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/28/2010	CY 2012 M-24 Well
7	C7791	100-FR-3	199-F5-53	Support 100-FR-3 RI/FS	100-F	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/28/2010	CY 2012 M-24 Well
8	C7792	100-FR-3	199-F5-54	Support 100-FR-3 RI/FS	100-F	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/28/2010	CY 2012 M-24 Well
9	C7508	100-BC-5	199-B8-9	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/30/2010	CY 2012 M-24 Well
10	C7783	100-BC-5	199-B2-15	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/22/2011	CY 2012 M-24 Well
11	C7784	100-BC-5	199-B2-16	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/22/2011	CY 2012 M-24 Well
12	C7785	100-BC-5	199-B3-51	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/21/2011	CY 2012 M-24 Well
13	C7786	100-BC-5	199-B4-14	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/30/2010	CY 2012 M-24 Well
14	C8244 replaced C7787	100-BC-5	199-B5-8 replaced 199-B5-7	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/21/2011	CY 2012 M-24 Well
15	C7683	100-KR-4	199-K-183	100-KR-4 RI/FS #1	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 11/18/2010	CY 2012 M-24 Well
16	C7684	100-KR-4	199-K-184	100-KR-4 RI/FS #9	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
17	C7685	100-KR-4	199-K-185	100-KR-4 RI/FS #7	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
18	C7686	100-KR-4	199-K-186	100-KR-4 RI/FS #10	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
19	C7687	100-KR-4	199-K-187	100-KR-4 RI/FS #2	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 11/18/2010	CY 2012 M-24 Well
20	C7688	100-KR-4	199-K-188	100-KR-4 RI/FS #11	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
21	C7689	100-KR-4	199-K-189	100-KR-4 RI/FS #12	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
22	C7690	100-KR-4	199-K-190	100-KR-4 RI/FS #8	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 11/18/2010	CY 2012 M-24 Well
23	C7691	100-KR-4	199-K-191	100-KR-4 RI/FS #3	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 11/18/2010	CY 2012 M-24 Well
24	C7692	100-KR-4	199-K-192	100-KR-4 RI/FS #4	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
25	C7693	100-KR-4	199-K-193	100-KR-4 RI/FS #5	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
26	C7694	100-KR-4	199-K-194	100-KR-4 RI/FS #6	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
27	C7695	100-KR-4	199-K-195	100-KR-4 RI/FS #13	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
28	C7657	300-FF-5	399-1-58	300-FF-5 #1	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2012 M-24 Well
29	C7658	300-FF-5	399-6-3	300-FF-5 #2	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2012 M-24 Well
30	C7659	300-FF-5	399-1-59	300-FF-5 #3	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2012 M-24 Well

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
1	C7505	100-BC-5	199-B5-5	Support 100-BC-5 RI/FS	100-B	Monitoring Well	Accepted 2/25/10	CY 2011 M-24 Well
2	C7506	100-BC-5	199-B3-50	Support 100-BC-5 RI/FS	100-B	Monitoring Well	Accepted 2/25/10	CY 2011 M-24 Well
3	C7507	100-BC-5	199-B5-6	Support 100-BC-5 RI/FS	100-B	Monitoring Well	Accepted 2/25/10	CY 2011 M-24 Well
4	C7665 replaced C7508	100-BC-5	199-B2-14 replaces 199-D8-9	Support 100-BC-5 RI/FS	100-B	Monitoring Well	Accepted 2/25/10	CY 2011 M-24 Well
5	C7514	200-BP-5	299-E24-25	200-BP-5	Well L	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/23/10	CY 2011 M-24 Well
6	C7515	200-BP-5	299-E28-30	200-BP-5	Well M	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/23/10	CY 2011 M-24 Well
7	C5860	200-BP-5	299-E29-54	BP5-12	Well K	Obtain Data Supporting the CERCLA RI/FS	Accepted 3/23/10	CY 2011 M-24 Well
8	C7439	100-NR-2	199-N-349	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/8/2010	CY 2011 M-24 Well
9	C7440	100-NR-2	199-N-348	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/8/2010	CY 2011 M-24 Well
10	C7441	100-NR-2	199-N-347	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/8/2010	CY 2011 M-24 Well
11	C7442	100-NR-2	199-N-346	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/8/2010	CY 2011 M-24 Well
12	C7443	100-NR-2	199-N-350	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 2/9/2010	CY 2011 M-24 Well
13	C7444	100-NR-2	199-N-351	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 2/9/2010	CY 2011 M-24 Well
14	C7445	100-NR-2	199-N-352	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 2/9/2010	CY 2011 M-24 Well
15	C7446	100-NR-2	199-N-353	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
16	C7447	100-NR-2	199-N-354	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
17	C7448	100-NR-2	199-N-355	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
18	C7449	100-NR-2	199-N-356	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
19	C7450	100-NR-2	199-N-357	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
20	C7451	100-NR-2	199-N-358	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 3/25/2010	CY 2011 M-24 Well
21	C7452	100-NR-2	199-N-359	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/29/2010	CY 2011 M-24 Well
22	C7453	100-NR-2	199-N-360	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/29/2010	CY 2011 M-24 Well
23	C7454	100-NR-2	199-N-361	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/29/2010	CY 2011 M-24 Well
24	C7455	100-NR-2	199-N-362	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
25	C7456	100-NR-2	199-N-363	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
26	C7457	100-NR-2	199-N-364	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
27	C7458	100-NR-2	199-N-365	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
28	C7459	100-NR-2	199-N-366	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
29	C7463	100-NR-2	199-N-367	NR-2 Barrier Well	100-N	Monitoring Well for Apatite Barrier	Accepted 4/15/2010	CY 2011 M-24 Well
30	C7571	RCRA	299-E27-25	SST WMA C	241-C Farm	RCRA SST WMA CWell	Accepted 9/7/2010	CY 2011 M-24 Well

ment Wells - Not part of M-24

# of Wells	Justification/Purpose	Planned Campaign
5	WCH 100-BC-5 Boreholes Obtain Data Supporting the CERCLA RI/FS Process C7842, C7844, C7845, C7849, C8239	Accepted December 2010
5		
1	WCH 100-FR-3 Boreholes Obtain Data Supporting the CERCLA RI/FS Process C7971	Accepted February 2011
1		
1	Iron Amendment Verification C7075 199-D4-94	Accepted FY 2009 3/31/2009
4	Bioremediation Treatability Test	FY 2010/2011
40	100 "H" RPO and Scenario 5	FY 2010
30	100 "D" RPO and Scenario 5	FY 2010 Accepted 14 on 2/23/2010; 14 on 5/4/2010
2	Maximize capacity C8789 199-D5-153 and C8790 199-D5-154	Accepted 10/2/2014
4	100-D-100 C8953 199-D5-155, C8954 199-D5-156, C8955 199-D5-157 and C8956 199-D5-158	Initiated drilling 4/24/14
81		
7	Well Realignment C7061 199-K-174, C7062 199-K-175, C7149 199-K-178, C7150 199-K-179, C7151 199-K-180, C7464 199-K-181, C7476 199-K-182	Accepted FY 2009/2010: 2 on 3/12/2009; 2 on 10/15/2009; 1 on 10/27/2009; 2 on 1/21/2010
5	WCH 100-HR-3 Boreholes Obtain Data Supporting the CERCLA RI/FS Process C7850, C7851, C7855, C7862, C7864	Accepted FY 2010
2	Grounding Wells 100-K Substation C8205, C8226	Accepted February 2011
4	100-K Pump and Treat C7696 199-K-196, C7697 199-K-197, C7698 199-K-198, C7699 199-K-199	Accepted September 2011
5	Maximum Capacity Utilization C8292 199-K-205, C8293 199-K-206, C8297 199-K-210, C8299 199-K-212, C8795 199-K-220	Accepted 4/7/2014 C8292 and C8293, currently drilling C8297, C8299 and C8795
5	Maximize capacity C8290 199-K-203, C8291 199-K-204, C8294 199-K-207, C8295 199-K-208, C8296 199-K-209	SOW being routed for review May 2014
28		
149	Barrier Emplacement	Accepted FY 2010
9	Infiltration Gallery/Petroleum Hydrocarbon C8184 199-N-182, C8185 199-N-183, C8186 199-N-184, C8187 199-N-185, C8188 199-N-186, C8189 199-N-187, C8190 199-N-188, C8191 199-N-189	Accepted 1 on 3/19/2009; 8 on 5/5/2009
7	BioRemediation for WCH	Accepted 3/19/2009
165		
3	BC Cribs	Accepted FY 2009
20	BC Cribs Soil Dessication C7522 299-E13-100, C7523 299-E13-101, C7524 299-E13-102, C7525 299-E13-103, C7526 299-E13-104, C7527 299-E13-105, C7528 299-E13-106, C7529 299-E13-107, C7530 299-E13-108, C7532 299-E13-110, C7533 299-E13-111, C7534 299-E13-112, C7535 299-E13-113, C7536 299-E13-114, C7537 299-E13-115, C7537 299-E13-115, C7538 299-E13-116, C7539 299-E13-117, C7540 299-E13-118, C7541 299-E13-119	Accepted FY 2011 4/23/2010
1	Deep Vadose Characterization C7047 299-E13-65	Accepted FY 2009
5	Deep Vadose Characterization C7051 299-E13-66, C7052 299-E13-67, C7053 299-E13-68, C7054 299-E13-69, C7055 299-E13-70	Accepted FY 2009 6/8/2009
2	Deep Vadose Characterization Tc-99 Ground Truthing C8387 299-E13-120 and C8388 299-E13-121	FY 2011
31		
1	200-BP-5 Extraction well C8243 299-E33-268	Accepted February 2012
2	Perched Water Injection C8914 299-E33-350, C8915 299-E33-351	Accepted 3/27/2014
3		
2	Soil Desiccation Pilot Test C8387 299-E13-120, C8388 299-E13-121	Accepted September 2011
2		
3	UP-1 GW extraction sys to remove Technetium-99 (Tc-99) GW contaminants originating from disposal facilities associated with the reduction-oxidation processing of Uranium 299-W22-90 (C8095), 299-W22-91 (C8096), 299-W22-92 (C8097)	Accepted October/November 2011
2	Extraction Wells C8927 299-W19-113, C8928 299-W19-114	RFP out for bid 5/13/2014
5		
3	Pump and Treat C7018 299-W14-20, C7017 299-W15-225, C7021 299-W14-73	Accepted 1 on 9/24/2009; 2 on 7/30/2009
6	Pump and Treat C7029 299-W12-4, C7027 299-W12-2, C7028 299-W12-3, C7024 299-W14-74, C7494 299-W14-21, C7754 299-W11-96	Accepted 3/1/2010
11	Pump and Treat C7019 299-W11-49, C7022 299-W11-90, C7025 299-W11-92, C7574 299-W15-226, C7575 299-W15-227, C7576 299-W17-2, C7577 299-W17-3, C7578 699-45-67, C7579 699-43-67, C7020 299-W11-50 and C7573 299-W10-35	FY 2010/2011
6	200-ZP-1 Injection Wells C8064 299-W6-13, C8065 299-W6-14, C8066 299-W10-36, C8068 699-44-67, C8069 699-42-67, C8386 699-43-67B	Accepted November 2011, February 2012
4	200-ZP-1 Injection Wells C7030 299-W14-22, C8717 699-45-67B, C8720 299-W6-15, C8721 299-W5-1	Accepted June 2013
4	Pump and Treat C8070 699-40-67, C8067 699-46-68, C8716 299-W15-228, C8786 699-49-49	Initiated drilling 2/19/2014
4	C8944 299-W15-229, C8945 299-W7-13, C8921 699-38-64, C8920 299-W18-41	RFP out for bid 5/13/2014
2	C8918 299-W19-111, C8919 299-W11-97	option wells on RFP out for bid 5/13/2014
40		
15	Confirmatory/Treatability Test C7116 399-1-39, C7117 399-1-40, C7118 399-1-41, C7119 399-1-42, C7120 399-1-43, C7121 399-1-44, C7122 399-1-45, C7123 399-1-46, C7124 C399-1-47, C7125 399-1-48, C7126 399-1-49, C7127 399-1-50, C7128 399-1-51, C7129 399-1-52, C7130 399-1-53	Accepted FY 2009 5/5/2009
3	IFRC - Drilled three wells C7874 399-2-34, C7875 399-2-37, C7876 399-3-35	Accepted FY 2010
4	IFRC - Drill up to 4 additional wells C7867 399-1-60, C7868 399-2-33, C7869 399-3-37, C7870 399-3-34	Accepted April 2011
22		
2	Dust Suppression Production Well in the 618-10 Area C7829 600-S5-E2, C7830 600-S5-E2B	Accepted October 2010