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

16-AMRP-0163

APR 25 2016

Ms. Alexandra K. Smith, Program Manager
Nuclear Waste Program
Washington State Department of Ecology
3100 Port of Benton Boulevard
Richland, Washington 99354

Mr. Dennis A. Faulk, Program Manager
Office of Environmental Cleanup
Hanford Project Office
U.S. Environmental Protection Agency
825 Jadwin Avenue, Suite 210
Richland, Washington 99352

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APR 28 2016
EDMC

Addressees:

COMPLETION OF HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (TRI-PARTY AGREEMENT) MILESTONE M-024-58I FOR CALENDAR YEAR 2016

The purpose of this letter is to provide a proposed well drilling status, scope, and schedule to the Washington State Department of Ecology and U.S. Environmental Protection Agency. A meeting with your staff will be scheduled to discuss and finalize this status and schedule. Tri-Party Agreement Milestone M-024-58 is an annual milestone 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 site-wide clean-up priorities."

The attachment provides the U.S. Department of Energy Richland Operations Office's proposed well drilling for the M-024 Milestone series through Calendar Year 2019. Anticipated well drilling beyond 2019 is provided for your information.

This completes Tri-Party Agreement Milestone M-024-58I, "Initiate Discussions of Well Commitments" for Calendar Year 2016.

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If you have any questions, please contact me, or your staff may contact, Mike Cline, of my staff, on (509) 376-6070.

Sincerely,

for

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

AMRP:BWV

Attachment

cc w/attach:
G. Bohnee, NPT
J. V. Borghese, CHPRC
R. Buck, Wanapum
D. Goswami, Ecology
S. Hudson, HAB
R. Jim, YN
N. M. Menard, Ecology
K. Niles, ODOE
C. P. Noonan, MSA
R. E. Piippo, MSA
D. Rowland, YN
R. Skeen, CTUIR
M. J. Turner, MSA
Administrative Record (M-024-58I)
Environmental Portal

	Well ID	OU / Other	Comments	Temporary Name	Program/ Facility Name / Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
1	C8797	100-KR-4	199-K-222	100-KR-4 #1	100-KR-4 CERCLA	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	Accepted 9/30/2015	CY 2017 M-24
2	C8796	100-KR-4	199-K-221	100-KR-4 #2	100-KR-4 CERCLA	Monitor potential release of Sr-90 from vadose zone beneath 116-KE-3 Crib/Reverse Well	Accepted 9/30/2015	CY 2017 M-24
3	C9439	200-ZP-1	299-W5-2	200-ZP-1	200-ZP-1 RCRA	200-ZP-1 RCRA Monitoring Well #1 located in the northeast corner of 200 West Area	Accepted 12/16/2015	CY 2017 M-24
4	C9440	200-ZP-1	299-W13-2	200-ZP-1	200-ZP-1 RCRA	200-ZP-1 RCRA Monitoring Well #2 located north of Environmental Remediation Disposal Facility	Accepted 3/21/2016	CY 2017 M-24
5	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	Accepted 3/31/2016	CY 2017 M-24
6	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	Accepted 3/31/2016	CY 2017 M-24
7	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	Accepted 3/31/2016	CY 2017 M-24
8	C8732	100-HR-3	199-D5-152	100-HR-3	100-HR-3 - WCH #3	WCH replacement monitoring wells - replacing 199-D5-122	Accepted 3/31/2016	CY 2017 M-24
9	C8733	100-HR-3	199-H4-87	100-HR-3	100-HR-3 - WCH #4	WCH replacement monitoring wells - replacing 199-H4-48	Accepted 4/6/2016	CY 2017 M-24
10	C8734	100-HR-3	199-H4-88	100-HR-3	100-HR-3 - WCH #5	WCH replacement monitoring wells - replacing 199-H4-7	Accepted 4/6/2016	CY 2017 M-24
11	C8735	100-HR-3	199-H4-89	100-HR-3	100-HR-3 - WCH #6	WCH replacement monitoring wells - replacing 199-H4-9	Accepted 4/6/2016	CY 2017 M-24
12	C9449	200-BP-5	299-E27-26	200-BP-5	200-BP-5 WMA-C RCRA AEA	RCRA Replacement/ Monitoring located just northeast of the 241-C Tank Farm (WMA C) Replacement well for non-WAC compliant well 299-E27-7 Permit conditions for WMA C.	Accepted 4/12/2016	CY 2017 M-24
13	C9472	100-FR-3	699-76-45	100-FR-3	100-FR-3	South of main TCE plume MNA remedy, monitor TCE plume shrinkage and migration		CY 2017 M-24
14	C9474	100-FR-3	699-71-34	100-FR-3	100-FR-3	About 2 km south of 100-F, between nitrate plume and river MNA remedy, sentinel well for nitrate		CY 2017 M-24
15	C9475	100-FR-3	699-71-33B	100-FR-3	100-FR-3	About 2 km south of 100-F, inland edge of nitrate plume MNA remedy, monitor nitrate shrinkage		CY 2017 M-24
16	C9476	100-FR-3	699-76-46	100-FR-3	100-FR-3	Directly south of central 100-F MNA remedy, monitor nitrate shrinkage		CY 2017 M-24
17	C9477	100-FR-3	699-61-26C	100-FR-3	100-FR-3	Southeast of 100-F between nitrate plume and river MNA remedy, monitor nitrate shrinkage and sentinel well		CY 2017 M-24
18	C9478	100-FR-3	699-66-24	100-FR-3	100-FR-3	About 3 km south of 100-F, inland edge of nitrate plume MNA remedy, monitor nitrate shrinkage		CY 2017 M-24
19	C9479	100-FR-3	699-66-25	100-FR-3	100-FR-3	About 3 km south of 100-F, middle of nitrate plume MNA remedy, monitor nitrate shrinkage		CY 2017 M-24
20	C9480	100-FR-3	699-66-26	100-FR-3	100-FR-3	About 3 km south of 100-F, between nitrate plume and river MNA remedy, monitor nitrate shrinkage and sentinel well		CY 2017 M-24
21	C9416	200-UP-1	699-31-68	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #6 Needed to characterize southeast chromium plume		CY 2017 M-24
22	C9413	200-UP-1	699-29-66	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #7 Needed to characterize southeast chromium plume		CY 2017 M-24
23	C9417	200-UP-1	699-30-57	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #11 Needed to characterize southeast chromium plume		CY 2017 M-24
24	C9400	100-NR-2	199-N-371	100-NR-2	100-NR-2 CERCLA	NR-2-Compliance Issue between the Reactor and the River (replacement near 199-N-22); downgradient and west of the N Reactor (105-N) building		CY 2017 M-24
25	C9401	100-NR-2	199-N-372	100-NR-2	100-NR-2 CERCLA	NR-2-Compliance Issue between the Reactor and the River (replacement near 199-N-24); downgradient and west of the N Reactor (105-N) building		CY 2017 M-24
26	C9402	100-NR-2	199-N-373	100-NR-2	100-NR-2 CERCLA	NR-2 CERCLA data gap for final remedy between Reactor and River upgradient and east of the N Reactor building, on the corner of Titan Road and NW Avenue		CY 2017 M-24
27	C9403	100-NR-2	199-N-374	100-NR-2	100-NR-2 CERCLA	NR-2 CERCLA data gap for final remedy between Reactor and River downgradient and west of the N Reactor (105-N) building		CY 2017 M-24
28	C9425	100-NR-2	199-N-376	100-NR-2	100-NR-2 CERCLA	NR-2-Compliance Issue between the Reactor and the River upriver and southwest side of the N Reactor		CY 2017 M-24
29	C9429	100-NR-2	199-N-377	100-NR-2	100-NR-2 CERCLA	NR-2 CERCLA data gap for final remedy between Reactor and River downgradient, downriver, and northeast side of the N Reactor		CY 2017 M-24
30	C9546	100-HR-3	699-88-41A	100-HR-3	100-HR-3 CERCLA	Monitoring wells south of the 100-H reactor area – located within the 600 Area between 100-D and 100-H - FY 2016 P & T Optimization		CY 2017 M-24
31	C9547	100-HR-3	699-93-37A	100-HR-3	100-HR-3 CERCLA	Monitoring wells south of the 100-H reactor area – located in the 600 Area to the southeast of 100-H - FY 2016 P & T Optimization		CY 2018 M-24
32	C9414	200-UP-1	299-W15-115	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #1 Replacement 4" well for 299-W19-18 which is forecast to become sample dry during 2014 located south of U Plant off of 16th Ave support groundwater plume characterization SST(U)-2 and SST(U)-1 were identified to monitor the emerging Tc-99 plume from U-Farm as it moves toward the two ZP-1 extraction wells to the North/Northeast		CY 2018 M-24
33	C9415	200-UP-1	299-W21-3	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #2 Replacement 4" well for 699-35-70 which is sample dry located near the south eastern corner of ERDF support groundwater plume characterization		CY 2018 M-24
34	C9412	200-UP-1	299-W19-116	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #4 Replacement 4" well for 699-38-70 which is sample dry located north of the Environmental Restoration Disposal Facility (ERDF) area boundary and east of the 200 West Area boundary support groundwater plume characterization SST(U)-2 and SST(U)-1 were identified to monitor the emerging Tc-99 plume from U-Farm as it moves toward the two ZP-1 extraction wells to the North/Northeast		CY 2018 M-24
35	C9567	200-UP-1	299-W19-123	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #14 Dual Purpose 8" located south of U Plant off of 16th Ave support groundwater plume characterization		CY 2018 M-24
36	C9411	200-UP-1	299-W22-114	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #3 Replacement 4" well for 299-W22-9 which is sample dry located west of Beloit Ave in the southern portion of the 200 West Area		CY 2018 M-24
37	C9593	200-UP-1	699-36-63B	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #12 Dual Purpose 8" located east of ERDF		CY 2018 M-24
38	C9594	200-UP-1	299-W19-125	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #13 Dual Purpose 8" located east of U-Plant off of Beloit Avenue		CY 2018 M-24

	Well ID	OU / Other	Comments	Temporary Name	Program/ Facility Name / Location	Justification/Purpose	Planned Campaign	TPA Calendar Year
39	C9568	200-UP-1	299-W19-124	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well U-4 Verify southern extent of uranium plume near U Plant		CY 2018 M-24
40	C9604	200-UP-1	299-W19-126	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well U-6 Verify northern extent of uranium plume near U Plant		CY 2018 M-24
41	C9605	200-UP-1	299-W19-127	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well SST(U)-1 Monitor migration of Tc-99 from U Tank Farm		CY 2018 M-24
42	C9606	200-UP-1	299-W19-128	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well SST(U)-2 Monitor migration of Tc-99 from U Tank Farm		CY 2018 M-24
43	C9607	200-UP-1	699-39-68	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well IR-1 Monitor northern extent of I-129 plume		CY 2018 M-24
44	C9608	200-UP-1	699-38-64B	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well IR-2 I-129 plume hydraulic control remedy performance		CY 2018 M-24
45	C9609	200-UP-1	699-33-70	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well SP-4 southern extent of I-129 plume		CY 2018 M-24
46	C9610	200-UP-1	699-33-67	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well SP-5 southern extent of I-129 plume		CY 2018 M-24
47	C9611	200-UP-1	699-43-58	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well NT-1 Verify connection of NO3 plume with BP-5 NO3 plume		CY 2018 M-24
48	C9612	200-UP-1	699-39-58	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well NT-2 Verify eastern extent of H-3 plume		CY 2018 M-24
49	C9601	200-UP-1	699-32-64	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well southeast Chrome Plume 8" multipurpose monitoring Verify extent of high conc center of SE Cr plume		CY 2018 M-24
50	C9602	200-UP-1	699-30-63	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well southeast Chrome Plume 8" multipurpose monitoring Verify extent of high conc center of SE Cr plume		CY 2018 M-24
51	C9603	200-UP-1	699-32-59	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well southeast Chrome Plume 8" multipurpose monitoring Verify extent of high conc center of SE Cr plume		CY 2018 M-24
52	C9616	200-PO-1	299-E26-80	200-PO-1	200-PO-1 RCRA	216-A-29 Ditch - downgradient well New well to be drilled for use in downgradient monitoring in the revised 216-A-29 RCRA monitoring network As of November 2015, well identified in new RCRA monitoring plan		CY 2018 M-24
53	C9617	200-PO-1	299-E25-238	200-PO-1	200-PO-1 RCRA	216-A-29 Ditch - downgradient well New well to be drilled for use in downgradient monitoring in the revised 216-A-29 RCRA monitoring network As of November 2015, well identified in new RCRA monitoring plan		CY 2018 M-24
54	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	216-A-29 Ditch - Replacement downgradient well (Non-WAC comp) under Vit Plant Power line replacement well for A4771 (299-E25-26) Non-WAC compliant due to the lack of a continuous annular seal around the casing Currently used in RCRA network Location under power line limits ability to access well for pump repairs and well cleaning. A new well serving the same monitoring purpose should be installed in the general vicinity		CY 2018 M-24
55	C9615	200-PO-1	699-44-43C	200-PO-1	200-PO-1 RCRA	B-3 Pond and Ditch - downgradient well New well to be drilled for use in upgradient monitoring in the revised 216-B-3 RCRA monitoring network As of November 2015, well identified in new RCRA monitoring plan		CY 2018 M-24
56	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	LLWMA-1 monitoring well - SE corner of LLWMA-1 required by new RCRA monitoring plan To be located between wells 299-E28-26 and 299-E28-27		CY 2018 M-24
57	C9625	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 compliant-point monitoring network for permit conditions Need a revised monitoring plan Replacing well 299-W10-13		CY 2018 M-24
58	C9626	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 compliant-point monitoring network for permit conditions Need a revised monitoring plan Replacing well 299-W10-20		CY 2018 M-24
59	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #MW2 Performance Monitoring Plan (DOE/RL-2009-115) drilling single wells with multiple screened intervals and sampling them with a low-flow Spectra device to avoid mixing between intervals		CY 2018 M-24
60	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #MW3ABC Performance Monitoring Plan (DOE/RL-2009-115) drilling single wells with multiple screened intervals and sampling them with a low-flow Spectra device to avoid mixing between intervals		CY 2018 M-24
61	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 CERCLA	new well placed in the southern portion of the former 118-K-1 Burial Ground to monitor potential continuing tritium contributions from residual vadose zone sources		CY 2019 M-24
62	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 CERCLA	new well located north of 183-KE Head House and east of 165-KE Building to monitoring hexavalent chromium and define the plume in that area		CY 2019 M-24
63	C9543	100-HR-3	199-D5-161	100-HR-3	100-HR-3 CERCLA	D2 Monitoring well in 100-D in the northern plume for delineation on the eastern side – east of DR reactor - There is currently very little plume control location on		CY 2019 M-24
64	TBD	100-HR-3	TBD	100-HR-3	100-HR-3 CERCLA	Monitoring well in the mid-area of 100-H Plume appears to be moving between our extraction zones Monitoring in this area would ensure that having adequate capture following well realignment at 100-H		CY 2019 M-24
65	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 NRDWL RCRA	These far-field downgradient wells are needed to be installed beyond the line of compliance per WA Ecology, to determine if dangerous waste constituents released earlier from the facility may be present downgradient of the current well monitoring system In "RL30 Safe Store- Fiscal Year 2012 and beyond" it states these wells will be drilled to a depth of up to 115 feet below the water table to determine whether the low-permability unit is present beneath the SWL portion of the WMA and also to determine whether contamination is present at depths up to 115 feet below the water table The wells will screened where the highest levels of contaminants are detected (above MDLs)		CY 2019 M-24
66	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 NRDWL RCRA	These far-field downgradient wells are needed to be installed beyond the line of compliance per WA Ecology, to determine if dangerous waste constituents released earlier from the facility may be present downgradient of the current well monitoring system In "RL30 Safe Store- Fiscal Year 2012 and beyond" it states these wells will be drilled to a depth of up to 115 feet below the water table to determine whether the low-permability unit is present beneath the SWL portion of the WMA and also to determine whether contamination is present at depths up to 115 feet below the water table The wells will screened where the highest levels of contaminants are detected (above MDLs)		CY 2019 M-24

	Well ID	OU / Other	Comments	Temporary Name	Program/ Facility Name / Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
67	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 SWL RCRA	These far-field downgradient wells are needed to be installed beyond the line of compliance per WA Ecology, to determine if dangerous waste constituents released earlier from the facility may be present downgradient of the current well monitoring system In "RL30 Safe Store- Fiscal Year 2012 and beyond" it states these wells will be drilled to a depth of up to 115 feet below the water table to determine whether the low-permability unit is present beneath the SWL portion of the WMA and also to determine whether contamination is present at depths up to 115 feet below the water table The wells will screened where the highest levels of contaminants are detected (above MDLs)		CY 2019 M-24
68	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 SWL RCRA	These far-field downgradient wells are needed to be installed beyond the line of compliance per WA Ecology, to determine if dangerous waste constituents released earlier from the facility may be present downgradient of the current well monitoring system In "RL30 Safe Store- Fiscal Year 2012 and beyond" it states these wells will be drilled to a depth of up to 115 feet below the water table to determine whether the low-permability unit is present beneath the SWL portion of the WMA and also to determine whether contamination is present at depths up to 115 feet below the water table The wells will screened where the highest levels of contaminants are detected (above MDLs)		CY 2019 M-24
69	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	In vicinity of current 299-E25-41 WMA-A-AX location Potential for well going sample dry in the future. Need to make a replacement recommendation for this RCRA/CERCLA network well once the PO-1/BP-5 remedial strategy is defined.		CY 2019 M-24
70	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #MW4AB Performance Monitoring Plan (DOE/RL-2009-115) drilling single wells with multiple screened intervals and sampling them with a low-flow Spectra device to avoid mixing between intervals.		CY 2019 M-24
71	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #MW5AB Performance Monitoring Plan (DOE/RL-2009-115) drilling single wells with multiple screened intervals and sampling them with a low-flow Spectra device to avoid mixing between intervals.		CY 2019 M-24
72	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #MW6AB Performance Monitoring Plan (DOE/RL-2009-115) drilling single wells with multiple screened intervals and sampling them with a low-flow Spectra device to avoid mixing between intervals		CY 2019 M-24
73	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #MW8AB Performance Monitoring Plan (DOE/RL-2009-115) drilling single wells with multiple screened intervals and sampling them with a low-flow Spectra device to avoid mixing between intervals		CY 2019 M-24
74	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 CERCLA	Within footprint of former 116-KE-1 Gas Condensate Crib - characterization and monitoring potential release of C-14, H-3, nitrate from vadose zone		CY 2019 M-24
75	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 CERCLA	Within footprint of former 116-KW-1 Gas Condensate Crib - characterization and monitoring potential release of C-14, H-3, nitrate from vadose zone		CY 2019 M-24
76	TBD	100-HR-3	TBD	100-HR-3	100-HR-3 CERCLA	Monitoring well south of current Well 199-D5-19 Plume appears to be migrating in that direction		CY 2019 M-24
77	TBD	100-HR-3	TBD	100-HR-3	100-HR-3 CERCLA	Monitoring well southeast of current Well 199-D5-19 Plume appears to be migrating in that direction		CY 2019 M-24
78	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	IDF monitoring well - downgradient plan at least two years prior to IDF operations Last of downgradient wells to be installed during Phase III construction		CY 2019 M-24
79	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	PO-1 CERCLA well 699-S12-3 is now sample dry and cannot be re-habilitated and will be decommissioned Add a new replacement well for this well. This well helps define the extent of the tritium plume, and the nearest monitoring well is approximately 2.5 km away. Recommendation for replacement needs to he made based on Ecology review of PO-1 SAP and RI		CY 2019 M-24
80	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of 299-W14-13 which expected to go dry in 2016 installed low-purge volume bladder pumps anticipating that sampling with low-purge volume pumps will allow us to continue to sample these wells and not have to replace them ZP-1 RCRA Monitoring Well #3		CY 2019 M-24
81	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	Replacement of 299-W12-1 which was sample dry in 2014 new well 299-W5-2 west of 299-W12-1 provides monitoring support - may not need replacement ZP-1		CY 2019 M-24
82	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 Need a revised monitoring plan 299-		CY 2019 M-24
83	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WMA-TX/TY RCRA	Replacement of 299-W14-18 which expected to go dry in 2017 installed low-purge volume bladder pumps anticipating that sampling with low-purge volume pumps will allow us to continue to sample these wells and not have to replace them		CY 2019 M-24
84	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WMA-TX/TY RCRA	Replacement of 299-W14-17 which expected to go dry in 2017 - Recommend bladder pump to be installed		CY 2019 M-24
85	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 CERCLA	Monitoring well		CY 2019 M-24
86	TBD	100-HR-3	TBD	100-HR-3	100-HR-3 CERCLA	Monitoring well		CY 2019 M-24
87	TBD	100-HR-3	TBD	100-HR-3	100-HR-3 CERCLA	Monitoring well		CY 2019 M-24
88	C8917	200-BP-5	699-46-92	Modutank #2	200-BP-5 RCRA	downgradient Modutank monitoring well Based on DOE/RL-2009-39, if the modular storage unit will be used 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 2019 M-24
89	C8918	200-BP-5	699-46-93	Modutank #3	200-BP-5 RCRA	downgradient Modutank monitoring well Based on DOE/RL-2009-39, if the modular storage unit will be used or if there is evidence of leakage from the		CY 2019 M-24
90	C8919	200-BP-5	699-46-94	Modutank #4	200-BP-5 RCRA	downgradient Modutank monitoring well Based on DOE/RL-2009-39, if the modular storage unit will be used or if there is evidence of leakage from the		CY 2019 M-24
91	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WMA-TX/TY RCRA	Replacement of 299-W10-26 which expected to go dry in 2016 - Recommend bladder pump to be installed		

	Well ID	OU / Other	Comments	Temporary Name	Program/ Facility Name / Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
92	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WMA-TX/TY RCRA	Replacement of 299-W14-14 which expected to go dry in 2016 installed low-purge volume bladder pumps anticipating that sampling with low-purge volume pumps		
93	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WMA-TX/TY RCRA	Replacement of 299-W14-16 which expected to go dry in 2017 - Recommend bladder pump to be installed		
94	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WMA-TX/TY RCRA	Replacement well for 299-W14-15 which expected to go dry in 2017 installed low-purge volume bladder pumps anticipating that sampling with low-purge volume pumps will allow us to continue to sample these wells and not have to replace them		
95	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 CERCLA	Upper aquifer well next to well 299-E28-31. Monitor uranium plume		
96	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Center downgradient well for WMA B/BX/BY Three wells are recommended between well 299-E33-37 and the 207-B Retention Basin at evenly spaced intervals Monitoring wells Southeast of WMA B/BX/BY Based on the Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA analysis that are important to the subsequent risk assessment and subsequent development of remedial alternatives include the horizontal and vertical extent of contamination in soil and groundwater In addition, DOE order 5400 requires continued monitoring to determine the migrating extent of contamination waste management assessment plan		
97	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Deep well for WMA B/BX/BY Three wells are recommended between well 299-E33-37 and the 207-B Retention Basin at evenly spaced intervals. Monitoring wells Southeast of WMA B/BX/BY Based on the Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA analysis that are important to the subsequent risk assessment and subsequent development of remedial alternatives include the horizontal and vertical extent of contamination in soil and groundwater In addition, DOE order 5400 requires continued monitoring to determine the migrating extent of contamination waste management assessment plan		
98	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Southwest well for WMA B/BX/BY Three wells are recommended between well 299-E33-37 and the 207-B Retention Basin at evenly spaced intervals Monitoring wells Southeast of WMA B/BX/BY Based on the Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA analysis that are important to the subsequent risk assessment and subsequent development of remedial alternatives include the horizontal and vertical extent of contamination in soil and groundwater In addition, DOE order 5400 requires continued monitoring to determine the migrating extent of contamination waste management assessment plan		
99	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Far-field well southeast of WMA B/BX/BY center well between wells 299-E27-19 and 299-E28-5 at top of aquifer (northeast) Three additional farfield wells are recommended between well 299-E27-19 and 299-E28-5 These wells could be installed a year or two after the initial three wells above RCRA assessment well for dangerous waste cyanide waste management assessment plan		
100	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Far-field well southeast of WMA B/BX/BY northeast well between wells 299-E27-19 and 299-E28-5 at top of aquifer (center) Three additional farfield wells are recommended between well 299-E27-19 and 299-E28-5 These wells could be installed a year or two after the initial three wells above RCRA assessment well for dangerous waste cyanide waste management assessment plan		
101	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Far-field well southeast of WMA B/BX/BY southwest well between wells 299-E27-19 and 299-E28-5 at top of aquifer (southwest) Three additional farfield wells are recommended between well 299-E27-19 and 299-E28-5 These wells could be installed a year or two after the initial three wells above RCRA assessment well for dangerous waste cyanide waste management assessment plan		
102	200-BP-5	200 East	200-BP	200-BP-5	200-BP-5 AEA	216-BY Cribs		
103	200-BP-5	200 East	200-BP	200-BP-5	200-BP-5 AEA	216-B-9		
104	200-BP-5	200 East	200-BP	200-BP-5	200-BP-5 AEA	216-C-1, C-3, C-7		
105	200-BP-5	200 East	200-BP	200-BP-5	200-BP-5 AEA	216-C-1, C-3, C-7		
106	200-PO-1	200 East	200-PO	200-PO-1	200-PO-1 AEA	216-A-3		
107	200-PO-1	200 East	200-PO	200-PO-1	200-PO-1 AEA	216-A-18		
108	200-PO-1	200 East	200-PO	200-PO-1	200-PO-1 AEA	219-A-19, A-20, A-34		
109	200-PO-1	200 East	200-PO	200-PO-1	200-PO-1 AEA	219-A-19, A-20, A-34		
110	200-PO-1	200 East	200-PO	200-PO-1	200-PO-1 AEA	216-A-5		
111	200-PO-1	200 East	200-PO	200-PO-1	200-PO-1 AEA	216-A-21		
112	200-PO-1	200 East	200-PO	200-PO-1	200-PO-1 AEA	216-A-2, A-4		
113	200-UP-1	200 West	200-UP-1	200-UP-1	200-UP-1 AEA	216-U-8		
114	200-UP-1	200 West	200-UP-1	200-UP-1	200-UP-1 AEA	216-U-12		
115	200-UP-1	200 West	200-UP-1	200-UP-1	200-UP-1 AEA	216-S-9		
116	200-UP-1	200 West	200-UP-1	200-UP-1	200-UP-1 AEA	216-S-1&2		
117	200-UP-1	200 West	200-UP-1	200-UP-1	200-UP-1 AEA	216-S-12		
118	200-UP-1	200 West	200-UP-1	200-UP-1	200-UP-1 AEA	216-S-20, S-22		
119	200-UP-1	200 West	200-UP-1	200-UP-1	200-UP-1 AEA	216-S-6		
120	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-T-34		
121	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-T-8		
122	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-T-14, T-15, T-16, T-17		
123	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-T-14, T-15, T-16, T-17		
124	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-T-6		
125	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-T-18, T-26, T-27, T-28		
126	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-T-18, T-26, T-27, T-28		
127	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-T-19		
128	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-Z-4, Z-6, Z-17		
129	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-Z-21		
130	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-Z-18		
131	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-Z-1&2, Z-3, 207-Z, 241-Z, 241-Z-361		
132	200-ZP-1	200 West	200-ZP-1	200-ZP-1	200-ZP-1 AEA	216-Z-1&2, Z-3, 207-Z, 241-Z, 241-Z-361		

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133	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	200-PO-1 Post-ROD to implement the assume monitored natural attenuation (MNA) remedy		
134	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	200-PO-1 Post-ROD to implement the assume monitored natural attenuation (MNA) remedy		
135	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	200-PO-1 Post-ROD to implement the assume monitored natural attenuation (MNA) remedy		
136	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	200-PO-1 Post-ROD to implement the assume monitored natural attenuation (MNA) remedy		
137	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	200-PO-1 Post-ROD to implement the assume monitored natural attenuation (MNA) remedy		
138	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	200-PO-1 Post-ROD to implement the assume monitored natural attenuation (MNA) remedy		
139	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	200-PO-1 Post-ROD to implement the assume monitored natural attenuation (MNA) remedy		
140	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	200-PO-1 Post-ROD to implement the assume monitored natural attenuation (MNA) remedy		
141	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	200-PO-1 Post-ROD to implement the assume monitored natural attenuation (MNA) remedy		
142	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	200-PO-1 Post-ROD to implement the assume monitored natural attenuation (MNA) remedy		
143	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 CERCLA	200-PO-1 Post-ROD to implement the assume monitored natural attenuation (MNA) remedy		
144	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 AEA	Replacement of A4643 199-K-11 KE Basins Non-WAC compliant due to the lack of a continuous annular seal around the casing		
145	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 AEA	Replacement of A4644 199-K-13 KE Basins Non-WAC compliant due to the lack of a continuous annular seal around the casing		
146	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 AEA	Replacement of A4652 199-K-23 KE Basins Non-WAC compliant due to the lack of a continuous annular seal around the casing - penetrates a contaminated crib		
147	TBD	100-NR-2	TBD	100-NR-2	Downgradient well for 1301-N RCRA	Replacement of A4669 199-N-2 downgradient well for 1301-N Non-WAC compliant due to the original construction materials and seals used It is part of the RCRA monitoring program and is producing usable data		
148	TBD	100-NR-2	TBD	100-NR-2	Downgradient well for 1301-N RCRA	Replacement of A4679 199-N-3 downgradient well for 1301-N Non-WAC compliant due to the original construction materials and seals used It is part of the RCRA monitoring program and is producing usable data		
149	TBD	100-NR-2	TBD	100-NR-2	Downgradient well for 1325-N	Replacement of A4681 199-N-32 downgradient well for 1325-N Non-WAC compliant due to the original construction materials and seals used. It is part of the RCRA monitoring program and is producing usable data		
150	TBD	100-NR-2	TBD	100-NR-2	Downgradient well for 1325-N	Replacement of A4683 199-N-34 downgradient well for 1325-N Non-WAC compliant due to the original construction materials and seals used It is part of the RCRA monitoring program and is producing usable data		
151	TBD	100-NR-2	TBD	100-NR-2	Downgradient well for 1325-N	Replacement of A4689 199-N-41 downgradient well for 1325-N Non-WAC compliant due to the original construction materials and seals used It is part of the RCRA monitoring program and is producing usable data		
152	TBD	100-NR-2	TBD	100-NR-2	Upgradient well for 1301-N RCRA	Replacement of A4700 199-N-57 upgradient well for 1301-N Non-WAC compliant due to 6-ft of filter pack above the screen It is going slowly dry It is part of the RCRA monitoring program and is producing usable data		
153	TBD	100-NR-2	TBD	100-NR-2	Upgradient well for 1325-N RCRA	Replacement of A4677 199-N-28 upgradient well for 1325-N Non-WAC compliant due to the original construction materials and seals used It is part of the RCRA monitoring program and is producing usable data		
154	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4842 299-E33-15 RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing		
155	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4843 299-E33-17 RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing		
156	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4847 299-E33-20 WMA B/BX/BY RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing May go dry in the near future		
157	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4848 299-E33-21 RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing		
158	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4873 299-E33-9 SALDS RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing		
159	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A5195 699-45-42 216-B-3 Non-WAC compliant due to the lack of a continuous annular seal around the casing. As of July 2015, it is proposed for use in RCRA network. It is currently being used in the CERCLA network and is providing acceptable data.		
160	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A6788 299-E28-8 SALDS RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing		
161	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A6855 299-E33-16 RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing		
162	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4728 299-E17-1 216-A-36B RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing. As of July 2015, it is proposed for use in RCRA network. It is currently being used in the CERCLA network and is providing acceptable data.		
163	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4765 299-E25-19 216-A-37-1 RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing. Currently used in RCRA network and providing acceptable data		
164	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4766 299-E25-2 WMA-A-AX and 216-A-29 Non-WAC compliant due to the lack of a continuous annular seal around the casing. Well is proposed for dual use. Currently used with the WMA-A-AX RCRA well network as a downgradient well and providing acceptable data. As of October 2016, identified for use with the updated 216-A-29 RCRA well network as a new upgradient well.		
165	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4767 299-E25-20 216-A-37-1 RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing. Currently used in RCRA network and providing acceptable data		

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166	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 WAC	Replacement of A5089 699-24-33 SWL Non-WAC compliant due to the lack of a continuous annular seal around the casing In the monitoring program but sample data is used for information, not for statistical comparison Future well use and need for replacement needs further evaluation		
167	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A6031 299-E25-17 216-A-37-1 RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing Currently used in RCRA network and providing acceptable data		
168	C8926	200-UP-1	299-W19-112	200-UP-1	200-UP-1 RCRA	Replacement for A4945 299-W19-12 SST U monitoring well east of U Farm RCRA/WAC compliant. Non-WAC compliant due to the lack of a continuous annular seal around the casing RCRA monitoring well for WMA U. Also, this well is forecast to become sample dry in 2017		
169	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA ERDF	Replacement of A5139 699-35-66A ERDF Non-WAC compliant due to the lack of a continuous annular seal around the casing		
170	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A4899 299-W10-8 WMA-T Sample dry Consider replacement once 200W P&T reaches max operating conditions. Also non-WAC compliant due to the lack of a continuous annular seal around the casing		
171	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A4902 299-W11-12 WMA-T Non-WAC compliant due to the lack of a continuous annular seal around the casing. Recommend decommissioning since it has been removed from the network (sample dry) and it is not needed		
172	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A5214 699-48-71 SALDS Non-WAC compliant due to the lack of a continuous annular seal around the casing Recommend replacement if the state program requires it This well is not a RCRA well, so the WAC compliance requirements may not apply, and there are not any technical reasons to replace it.		
173	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A5221 699-49-79 SALDS Non-WAC compliant due to the lack of a continuous annular seal around the casing		
174	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A5232 699-51-75 SALDS Non-WAC compliant due to the lack of a continuous annular seal around the casing. Recommend replacement if the state program requires it. This well is not a RCRA well, so the WAC compliance requirements may not apply, and there are not any technical reasons to replace it.		
175	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A7136 299-W10-1 WMA-T Non-WAC compliant due to the lack of a continuous annular seal around the casing		
176	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A7137 299-W10-4 WMA-T ZP-1 CERCLA Monitoring Well #1 sample dry in 2014. Plan to keep available to see if 200W P&T operations causes rewetting Also non-WAC compliant due to the lack of a continuous annular seal around the casing Cross-gradient well in a highly contaminated area.		
177	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A9730 699-51-75P SALDS Non-WAC compliant due to the lack of a continuous annular seal around the casing. Recommend replacement if the state program requires it. This piezometer (hosted in Well 699-51-75) is not used for RCRA monitoring, so the WAC compliance requirements may not apply, and there are not any technical reasons to replace it.		