1245111
[00693844]

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

17-AMRP-0193

JUN 22 2017

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

RECEIVED
JUN 28 2017
EDMC

Addressees:

COMPLETION OF HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (TRI-PARTY AGREEMENT) TARGET DATE M-024-68-T01 AND TRANSMITTAL OF APPROVED CHANGE CONTROL FORM M-24-17-01

This letter documents completion of Tri-Party Agreement target date M-024-68 -T01, "Conclude discussions of well commitments initiated under M-024-68," on August 1, 2017, with the approval of the attached change control form M-24-17-01.

The U.S. Department of Energy Richland Operations Office appreciates the timely participation from the U.S. Environmental Protection Agency and the Washington State Department of Ecology in establishing the M-024 Well Priority List for Fiscal Years 2018 through 2020.

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

Sincerely,

Joe R. Franco, Assistant Manager
for the River and Plateau

AMRP:KLH

Attachment

cc: See page 2

JUN 22 2017

cc w/attach:
G. Bohnee, NPT
J. V. Borghese, CHPRC
S. L. Brasher, MSA
R. Buck, Wanapum
S. W. Davis, MSA
D. Goswami, Ecology
B. J. Howard, CHPRC
S. Hudson, HAB
R. Jim, YN
R. A. Lobos, EPA
N. M. Menard, Ecology
K. Niles, ODOE
R. E. Piippo, MSA
D. Rowland, YN
R. Skeen, CTUIR
Administrative Record (M-024-68-T01)
Environmental Portal

Change Number	Federal Facility Agreement and Consent Order Change Control Form	Date
M-24-17-01		June 1, 2017

Originator	Phone
M.W. Cline	376-6070

Class of Change

[ ] I – Signatories [X] II – Executive Managers [ ] III – Project Managers

Change Title

Groundwater Protection, Monitoring, and Remediation Well Installation Priority List Update Through CY2020, Including New Interim Milestone and Target Date

Description/Justification of Change

This change package completes the 2017 Hanford Federal Facility Agreement and Consent Order (HFFACO) target date M-024-68-T01 requirement to conclude discussions of groundwater monitoring well commitments initiated under M-024-68 by August 1, 2017, and adds a new interim M-024 milestone to incorporated well installations needed to maintain a three-year rolling prioritized schedule consistent with the sitewide cleanup priorities. Replacement of serviceable monitoring wells not meeting regulatory construction specifications is deferred to support groundwater remediation needs.

The Parties have successfully concluded discussions, and by approval of this change package, establish the interim TPA milestone M-024-71 for completion of CY 2020 well installations. This change package also creates the M-024-71-T01 target date for concluding well discussions by August 1, 2020.

The parties agree that when a monitoring well is drilled and subsequently found to be "dry" that the well will still count toward meeting M-024 well drilling totals.

Approval of this change package updates the list of monitoring wells planned to be drilled/constructed in CY 2018 and CY 2019, as well as provides the list of wells for CY 2020. Monitoring wells identified to be drilled/constructed in the years CY 2018 through CY 2020 are identified in the attached table. These wells are part of a CERCLA/RCRA-CERCLA past practice operable unit, and are part of an applicable waste control plan or CERCLA waste management plan. The attached table also shows additional wells tentatively planned for later years. Dates not set are pending evaluation of engineering studies, other related reports, and observations as requested by Washington State Department of Ecology.

Continued on page 2

Impact of Change

This change provides for continued installation of new groundwater protection, monitoring, and remediation wells. This change creates an interim milestone M-024-71 and a target date M-024-71-T01.

Affected Documents

The HFFACO, as amended, and Hanford Site internal planning management, and budget documents (e. g., USDOE and USDOE contractor Baseline Change Control documents, Project Management Plans, Sitewide Systems Engineering Control Documents, Remedial Investigation/Feasibility Study documents, RCRA treatment, storage and disposal unit monitoring plans, and if appropriate, Land Disposal Restrictions Report requirements).

Approvals

J.R. Franco, DOE	6/19/2017 Date	✓ Approved	____ Disapproved	Page 1 of 21
W. A. Faulk, EPA	6/21/2017 Date	✓ Approved	____ Disapproved	
A. K. Smith, Ecology	6/19/17 Date	✓ Approved	____ Disapproved	

Authorized Changes

Modifications to HFFACO Appendix D, "Milestones and Target Dates Including Designation of Lead Regulatory Agency," are denoted by using ~~strikeout~~ to indicate text deletions and double underline to indicate text additions.

Number	Milestone	Due Date
M-024-71 Lead Regulatory Agency: Ecology	DOE shall complete the construction of all wells listed for calendar year 2020 and before, as identified in TPA change package M-24-17-01. This milestone series will continue on a yearly basis until such time that the Parties agree that sufficient RCRA and CERCLA groundwater wells are in place and operating to comply with RCRA and CERCLA requirements for groundwater monitoring, groundwater protection, and groundwater remediation. These milestones do not preclude or foreclose the imposition of additional groundwater well installations pursuant to RCRA permits or work plans and/or CERCLA work plans. Additional work or modification to work shall be in accordance with the provisions in Article XXX of the TPA Legal Agreement.	12/31/2020
M-024-71-T01 Lead Regulatory Agency: Ecology	Conclude discussions of well commitments initiated under M-024-58.	8/1/2020

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
1	C9412	200-UP-1	299-W19-116	CERCLA	UP-1 RDRA Work Plan Monitoring Well #4. Replacement 4" well for 699-38-70. 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	Accepted 6/15/2016	2018
2	C9544	100-HR-3	199-D8-102	CERCLA	Monitoring well east of former coal ash pit (188D) and up gradient of existing P&T extraction well 199-D8-95. Monitor extent of coal ash pile impacts and up gradient Cr(VI) groundwater concentrations migrating to P&T system. Cr-VI was initially low and was not connected to P&T accordingly. Chromium has since trended up. Looking at realigning this as an extraction well as part of FY18 RPO.	Accepted 7/6/2016	2018
3	C9547	100-HR-3	699-93-37A	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	Accepted 7/12/2016	2018
4	C9415	200-UP-1	299-W21-3	CERCLA	UP-1 RDRA Work Plan Monitoring Well #2. Replacement 4" well for 699-35-70. located near the south eastern corner of ERDF support groundwater plume characterization	Accepted 7/25/2016	2018
5	C9542	100-HR-3	199-D5-160	CERCLA	Monitoring well to target specific lithologic layers within the vadose zone	Accepted 8/2/2016	2018
6	C9613	100-HR-3	199-D4-102	CERCLA	Originally planned as extraction well. Well yield <10 gpm and was not connected.	Accepted 8/16/2016	2018
7	C9614	100-HR-3	199-D4-103	CERCLA	Originally planned as extraction well. Well yield <10 gpm and was not connected.	Accepted 8/16/2016	2018
8	C9414	200-UP-1	299-W15-115	CERCLA	UP-1 RDRA Work Plan Monitoring Well #1. Replacement 4" well for 299-W19-18. 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	Accepted 10/25/2016	2018
9	C9411	200-UP-1	299-W22-114	CERCLA	UP-1 RDRA Work Plan Monitoring Well #3. Replacement 4" well for 299-W22-9. located west of Beloit Ave in the southern portion of the 200 West Area	Accepted 12/8/2016	2018

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
10	C9593	200-UP-1	699-36-63B	CERCLA	UP-1 RDRA Work Plan Monitoring Well #12 Dual Purpose 8" located east of ERDF. I-129 plume hydraulic control remedy performance	Accepted 3/8/2017	2018
11	C9601	200-UP-1	699-32-64	CERCLA	UP-1 RDRA Work Plan Monitoring Well southeast Chrome Plume 8" multipurpose monitoring Verify extent of high concentration center of southeast Cr plume	Accepted 3/20/2017	2018
12	C9602	200-UP-1	699-30-63	CERCLA	UP-1 RDRA Work Plan Monitoring Well southeast Chrome Plume 8" multipurpose monitoring Verify extent of high concentration center of southeast Cr plume	Accepted 3/30/2017	2018
13	C9603	200-UP-1	699-32-59	CERCLA	UP-1 RDRA Work Plan Monitoring Well southeast Chrome Plume 8" multipurpose monitoring Verify extent of high concentration center of southeast Cr plume	Accepted 3/23/2017	2018
14	C9690	300-FF-5	399-1-146	CERCLA	Monitoring Well PRZ paired with C9701	Accepted 4/17/2017	2018
15	C9698	300-FF-5	399-1-154	CERCLA	Monitoring Well PRZ paired with C9702	Accepted 4/17/2017	2018
16	C9701	300-FF-5	399-1-157	CERCLA	Monitoring Well Aquifer paired with C9690	Accepted 4/17/2017	2018
17	C9702	300-FF-5	399-1-158	CERCLA	Monitoring Well Aquifer paired with C9698	Accepted 4/17/2017	2018
18	C9708	300-FF-5	399-1-164	CERCLA	Monitoring Well	Accepted 4/17/2017	2018
19	C9709	300-FF-5	399-1-165	CERCLA	Monitoring Well	Accepted 4/17/2017	2018
20	C9710	300-FF-5	399-1-166	CERCLA	Monitoring Well	Accepted 4/17/2017	2018
21	C9692	300-FF-5	399-1-148	CERCLA	Monitoring Well PRZ paired with C9700	Accepted 4/25/2017	2018
22	C9694	300-FF-5	399-1-150	CERCLA	Monitoring Well PRZ paired with C9699	Accepted 4/25/2017	2018
23	C9699	300-FF-5	399-1-155	CERCLA	Monitoring Well Aquifer paired with C9694	Accepted 4/25/2017	2018
24	C9700	300-FF-5	399-1-156	CERCLA	Monitoring Well Aquifer paired with C9692	Accepted 4/25/2017	2018
25	C9691	300-FF-5	399-1-147	CERCLA	Monitoring Well PRZ paired with C9705	Accepted 5/31/2017	2018
26	C9693	300-FF-5	399-1-149	CERCLA	Monitoring Well PRZ paired with C9704	Accepted 5/31/2017	2018
27	C9696	300-FF-5	399-1-152	CERCLA	Monitoring Well PRZ paired with C9703	Accepted 5/31/2017	2018
28	C9697	300-FF-5	399-1-153	CERCLA	Monitoring Well PRZ paired with C9706	Accepted 5/31/2017	2018
29	C9703	300-FF-5	399-1-159	CERCLA	Monitoring Well PRZ paired with C9696	Accepted 5/31/2017	2018
30	C9704	300-FF-5	399-1-160	CERCLA	Monitoring Well PRZ paired with C9693	Accepted 5/31/2017	2018

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
31	C9705	300-FF-5	399-1-161	CERCLA	Monitoring Well Aquifer paired with C9691	Accepted 5/31/2017	2019
32	C9706	300-FF-5	399-1-162	CERCLA	Monitoring Well Aquifer paired with C9697	Accepted 5/31/2017	2019
33	C9567	200-UP-1	299-W19-123	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. Monitor high conc. uranium plume near U Plant		2019
34	C9712	100-KR-4	199-K-228	CERCLA	Monitoring well downgradient of KE Head House and 199-K-11A to monitoring hexavalent chromium and define the plume in that area.		2019
35	C9711	100-KR-4	199-K-227	CERCLA	Monitoring well at K-1 Burial Ground, placed in the southern portion of the former 118-K-1 Burial Ground to monitor potential continuing tritium contributions from residual vadose zone sources.		2019
36	C9713	100-KR-4	199-K-229	CERCLA	Monitoring hexavalent chromium and define the plume in that area. Define migration south of the KW Switch Yard and downgradient of the KW Head House due to a more natural flow gradient		2019
37	C9714	100-KR-4	199-K-230	CERCLA	Monitoring well between KW and KE reactors to connect the hydraulic connection between KE and KW as well as help delineate TCE.		2019
38	C9616	200-PO-1	299-E26-80	CERCLA /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.		2019
39	C9617	200-PO-1	299-E25-238	CERCLA /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.		2019
40	C9618	200-PO-1	299-E25-239	CERCLA /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.		2019

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
41	C9615	200-PO-1	699-44-43C	CERCLA /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. This well also replaces dry well 699-44-43B.		2019
42	C9630	200-PO-1	299-E25-95	CERCLA /RCRA	216-A37-1 Well is planned to improve downgradient coverage at the point of compliance.		2019
43	C9632	200-UP-1	699-27-68	CERCLA	Characterize vertical and lateral southern extent of SE Cr plume.		2019
44	C9634	200-UP-1	699-29-55	CERCLA	Bound southern extent of SE Cr plume; depends on results from C9632 (699-27-68).		2019
45	C9635	200-UP-1	699-30-70	CERCLA	Bound western extent of SE Cr plume.		2019
46	C9737	200-UP-1	699-31-50	CERCLA	Well to bound the southeast chromium plume to the east of well 699-31-53B, in which chromium has been detected at 49 ug/L. The new well is near where the water table transitions from the Ringold Fm to the Hanford fm. It will help to verify the conceptual model that concentrations would decline rapidly when the plume reaches the Hanford farm.		2019
47	C9625	200-ZP-1	299-W10-40	CERCLA /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		2019
48	C9626	200-ZP-1	299-W10-41	CERCLA /RCRA	LLWMA-3 Monitoring well - East of Mixed -Waste Trenches 31 and 34 - downgradient Complete compliant-point monitoring network for permit conditions.		2019
49	C9738	200-ZP-1	299-W6-17	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.		2019
50	C9740	200-ZP-1	699-44-70B	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.		2019

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
51	C9604	200-UP-1	299-W19-126	CERCLA	UP-1 RDRA Work Plan Monitoring Well U-6 Verify northern extent of uranium plume near U Plant Dual Purpose (Mon/Ext; 8 inch)		2019
52	C9605	200-UP-1	299-W19-127	CERCLA	UP-1 RDRA Work Plan Monitoring Well SST(U)-1 Monitor migration of Tc-99 from U Tank Farm		2019
53	C9606	200-UP-1	299-W19-128	CERCLA	UP-1 RDRA Work Plan Monitoring Well SST(U)-2 Monitor migration of Tc-99 from U Tank Farm		2019
54	C9607	200-UP-1	699-39-68	CERCLA	UP-1 RDRA Work Plan Monitoring Well IR-1 Monitor northern extent of I-129 plume		2019
55	C9608	200-UP-1	699-38-64B	CERCLA	UP-1 RDRA Work Plan Monitoring Well IR-2 I-129 plume hydraulic control remedy performance		2019
56	C9566	200-UP-1	299-W22-123	CERCLA	UP-1 RDRA Work Plan Monitoring Well SP-3 Monitor 216-S-20 Crib (1,4-dioxane, Cr, NO3) Replacement well for A7843 299-W22-20 which is sample dry. Temporary name SP-3		2019
57	C9868	200-PO-1	TBD	CERCLA	Casing corrosion identified in the screen interval. Potential for well going sample dry. Need to make a replacement recommendation for this RCRA/CERCLA network well once the PO-1/BP-5 remedial strategy is defined. In vicinity of current 299-E25-41 location.		2019
58	C9867	200-PO-1	TBD	CERCLA	Replacement for well B8758 699-43-44 due to failed casing, downgradient of 216-B-3; critical downgradient RCRA well		2019
59	C9627	200-ZP-1	299-W10-42	CERCLA /RCRA	LLWMA-3 Monitoring well - East of Mixed -Waste Trenches 31 and 34 - downgradient and southeast of Trenches - compliant point monitoring network for Permit conditions.		2019
60	C9629	200-BP-5	299-E28-33	CERCLA /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.		2019
61	C8926	200-UP-1	299-W19-112	CERCLA /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.		2020
62	TBD	100-KR-4	TBD	CERCLA	Monitoring wells - adds plume definition to the inland extent of the KE plume.		2020

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
63	TBD	100-KR-4	TBD	CERCLA	Monitoring wells - adds plume definition to the Cr(VI) plume downgradient of 116-K-1.		2020
64	TBD	100-KR-4	TBD	CERCLA	Monitoring wells - adds definition and understanding to the Cr(VI) plume between 100-K and 100-N.		2020
65	TBD	100-HR-3	TBD	CERCLA	Placeholder - monitoring wells FY Pump and Treat Optimization Plan 2018		2020
66	C9739	200-ZP-1	299-W11-98	CERCLA	200-ZP-1 CERCLA Monitoring Well Performance Monitoring Plan (DOE/RL-2009-115) MW-3 drilling single wells with multiple screened intervals and sampling them with a low-flow Spectra device to avoid mixing between intervals. Replacement of 299-W14-13 which expected to go dry in 2016. MW3 would fill gaps in the monitoring network between upgradient wells (W10-33 & W14-11) and downgradient wells W11-86 and W11-87.		2020
67	TBD	200-ZP-1	TBD	CERCLA	200-ZP-1 CERCLA Monitoring Well 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.		2020
68	TBD	200-ZP-1	TBD	CERCLA	200-ZP-1 CERCLA Monitoring Well 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.		2020
69	TBD	200-ZP-1	TBD	CERCLA	200-ZP-1 CERCLA Monitoring Well 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.		2020
70	C9870	300-FF-5	TBD	CERCLA	618-10 well will be downgradient from the 618-10 Burial Ground and 316-4 Crib. In accordance with DOE/RL-2014-42, 300-FF-5 Operable Unit Remedy Implementation Sampling and Analysis Plan, the wells should be monitored before, during, and after remediation of the associated waste site. The data will be evaluated to determine whether there is evidence of new contaminant releases to the environment that could impact the effectiveness of the remedy.		2020

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
71	C9869	300-FF-5	TBD	CERCLA	324 well will be downgradient from the 324 Building and the contaminated soil below the B Cell. In accordance with DOE/RL-2014-42, 300-FF-5 Operable Unit Remedy Implementation Sampling and Analysis Plan, the wells should be monitored before, during, and after remediation of the associated waste site. The data will be evaluated to determine whether there is evidence of new contaminant releases to the environment that could impact the effectiveness of the remedy.		2020
72	C9750	200-BP-5	699-47-55	CERCLA	Proposed new remedy monitoring wells per the BP-5 Remedial Action Work Plan, Decisional Draft RAWP		2020
73	C9751	200-BP-5	699-47-53B	CERCLA	Proposed new remedy monitoring wells per the BP-5 Remedial Action Work Plan, Decisional Draft RAWP		2020
74	C9752	200-BP-5	299-E28-34	CERCLA	Proposed new remedy monitoring wells per the BP-5 Remedial Action Work Plan, Decisional Draft RAWP		2020
75	C9753	200-BP-5	299-E27-137B	CERCLA	Proposed new remedy monitoring wells per the BP-5 Remedial Action Work Plan, Decisional Draft RAWP		2020
76	TBD	200-UP-1	TBD	CERCLA /AEA	216-S-1&2 All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Immediately downgradient Sr-90 source		2020
77	TBD	200-UP-1	TBD	CERCLA /AEA	216-S-20, S-22 All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Immediately downgradient Cr, I-129, 1,4-Dioxin		2020
78	TBD	200-UP-1	TBD	CERCLA /AEA	216-U-12 All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Immediately downgradient U source		2020
79	TBD	200-UP-1	TBD	CERCLA /AEA	216-U-8 All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Immediately downgradient U source		2020
80	C9871	200-UP-1	TBD	CERCLA	Placeholder for replacement of ERDF well (future need for ERDF expansion - planned FY2020) Will need to decommission 699-36-66B		2020
81	TBD #1	200-UP-1	TBD	CERCLA /RCRA	Placeholder - 216-S-10 Chromium characterization well		2020
82	TBD #2	200-UP-1	TBD	CERCLA /RCRA	Placeholder - 216-S-10 Chromium characterization well		2020
83	C9872	100-FR-3	TBD	CERCLA	Placeholder - Six 100-FR-3 monitoring wells needed based on phase I wells		2020
84	C9873	100-FR-3	TBD	CERCLA	Placeholder - Six 100-FR-3 monitoring wells needed based on phase I wells		2020

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
85	C9874	100-FR-3	TBD	CERCLA	Placeholder - Six 100-FR-3 monitoring wells needed based on phase I wells		2020
86	C9875	100-FR-3	TBD	CERCLA	Placeholder - Six 100-FR-3 monitoring wells needed based on phase I wells		2020
87	C9876	100-FR-3	TBD	CERCLA	Placeholder - Six 100-FR-3 monitoring wells needed based on phase I wells		2020
88	C9877	100-FR-3	TBD	CERCLA	Placeholder - Six 100-FR-3 monitoring wells needed based on phase I wells		2020
89	C9759	200-UP-1	TBD	CERCLA /RCRA	216-U-6 WA-1 Multi-Purpose		2020
90	C9819	200-UP-1	TBD	CERCLA /RCRA	216-U-8 WA-1 Multi-Purpose		2020
91	TBD	200-UP-1	TBD	CERCLA	UP-1 Monitoring Well		Placeholder
92	TBD	200-UP-1	TBD	CERCLA	UP-1 Monitoring Well		Placeholder
93	TBD	200-UP-1	TDB	CERCLA	UP-1 Monitoring Well		Placeholder
94	TBD	200-UP-1	TBD	CERCLA	UP-1 Monitoring Well		Placeholder
95	TBD	200-UP-1	TBD	CERCLA	UP-1 Monitoring Well		Placeholder
96	TBD	100-KR-4	TBD	CERCLA	Monitoring Well - Planning for one monitoring wells in each FY Pump and Treat Optimization Plan 2019		Placeholder
97	C9543	100-HR-3	199-D5-161	CERCLA	Monitoring Well - Planning for two monitoring wells in each FY Pump and Treat Optimization Plan 2019 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 the east side of the plume. Concentrations in wells 199-D5-18 and others in that area were increasing in 2015. Well would be used to ensure that the plume is not migrating to the east due to the increased flow rates into injection wells at DX.		Placeholder
98	C9545	100-HR-3	699-97-47C	CERCLA	Monitoring Well - Planning for two monitoring wells in each FY Pump and Treat Optimization Plan 2019 Prevent escape of mass to the north from the Horn and increase extraction capability.		Placeholder
99	C9726	200-BP-5	299-E25-6	CERCLA /RCRA/A EA	Downgradient of Trench 94 for AEA LLWMA-2 monitoring well - East of Trench 94 - Upgradient Contingent on results of geophysical investigations. Trench 94 is on a path to be removed from the permit. If Permit is adjusted, this well is not required.		Placeholder
100	TBD	200-ZP-1	TBD	CERCLA /RCRA	LLWMA-4 Monitoring well - west side - upgradient There is no upgradient well; contingent on future monitoring requirements Need a revised monitoring plan. 299-W17-1 and 299-W18-21 provide monitoring support		Placeholder

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
101	TBD	200-ZP-1	TBD	CERCLA	Replacement of A4912 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 CERCLA Monitoring Well #2.		Placeholder
102	TBD	200-ZP-1	TBD	CERCLA	WMA-TX/TY Replacement well for C3114 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		Placeholder
103	TBD	200-ZP-1	TBD	CERCLA	WMA-TX/TY Replacement of C3396 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		Placeholder
104	TBD	100-HR-3	TBD	CERCLA	Horizontal Well		Placeholder
105	TBD	200-UP-1	TBD	CERCLA /RCRA	216-S-1&2 WA-1 Multi-Purpose		Placeholder
106	TBD	200-UP-1	TBD	CERCLA /RCRA	216-S-23 WA-1 Multi-Purpose		Placeholder
107	TBD	200-UP-1	TBD	CERCLA /RCRA	216-S-25 WA-1 Multi-Purpose		Placeholder
108	TBD	200-PO-1	TBD	CERCLA /RCRA	216-B-14 WA-1 Multi-Purpose		Placeholder
109	TBD	200-PO-1	TBD	CERCLA /RCRA	216-B-53A WA-1 Multi-Purpose		Placeholder
110	TBD	200-UP-1	TBD	CERCLA	200-UP-1 Iodine Evaluation - field CERCLA treatability test of a candidate I-129 remediation technology based on the results of PNNL's Lab testing		Placeholder
111	TBD	100-KR-4	TBD	CERCLA	Monitoring wells FY Pump and Treat Optimization Plan 2020		Placeholder
112	TBD	100-KR-4	TBD	CERCLA	Well replacement activities for well 199-K-23. Could be moved forward into 2019 should soil remediation activities around the 100-KE reactor be complete sooner		Placeholder
113	TBD #1	100-HR-3	TBD	CERCLA	Monitoring Well - Planning for two monitoring wells in each FY Pump and Treat Optimization Plan 2020		Placeholder
114	TBD #2	100-HR-3	TBD	CERCLA	Monitoring Well - Planning for two monitoring wells in each FY Pump and Treat Optimization Plan 2020		Placeholder
115	TBD	100-KR-4	TBD	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		Placeholder

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
116	TBD	100-KR-4	TBD	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		Placeholder
117	TBD	200-PO-1	TBD	CERCLA	Additional far field iodine plume monitoring, to be added between plume and river		Placeholder
118	TBD	200-ZP-1	TBD	CERCLA /RCRA	WMA-TX/TY Replacement of B8548 299-W10-26 which expected to go dry in 2016 - Recommend bladder pump to be installed.		Placeholder
119	TBD	200-ZP-1	TBD	CERCLA /RCRA	WMA-TX/TY Replacement of B8547 299-W14-14 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		Placeholder
120	TBD	200-ZP-1	TBD	CERCLA /RCRA	WMA-TX/TY Replacement of C3120 299-W14-16 which expected to go dry in 2017 - TBD		Placeholder
121	TBD	200-ZP-1	TBD	CERCLA /RCRA	WMA-TX/TY Replacement of C3121 299-W14-17 which expected to go dry in 2017 - TBD		Placeholder
122	C9725	200-BP-5	299-E35-5	CERCLA /RCRA	LLWMA-2 Trench 94 Well #1. South of Trench 94 Need to complete geophysics investigation. Trench 94 is on a path to be removed from the permit. If Permit is adjusted this well are not required		Placeholder
123	C9727	200-BP-5	299-E35-7	CERCLA /RCRA	LLWMA-2 Trench 94 Well #2. East of Trench 94 Need to complete geophysics investigation. Trench 94 is on a path to be removed from the permit. If Permit is adjusted this well are not required		Placeholder
124	TBD	200-BP-5	TBD	CERCLA	Upper aquifer well next to well C9447 299-E28-31. Monitor uranium plume. B Plant		Placeholder
125	TBD	200-ZP-1	TBD	CERCLA	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		Placeholder
126	TBD	200-ZP-1	TBD	CERCLA	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.		Placeholder

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
127	TBD #1	100-BC-5	TBD	CERCLA	To support the anticipated Record of Decision (ROD)		Placeholder
128	TBD #10	100-BC-5	TBD	CERCLA	To support the anticipated Record of Decision (ROD)		Placeholder
129	TBD #2	100-BC-5	TBD	CERCLA	To support the anticipated Record of Decision (ROD)		Placeholder
130	TBD #3	100-BC-5	TBD	CERCLA	To support the anticipated Record of Decision (ROD)		Placeholder
131	TBD #4	100-BC-5	TBD	CERCLA	To support the anticipated Record of Decision (ROD)		Placeholder
132	TBD #5	100-BC-5	TBD	CERCLA	To support the anticipated Record of Decision (ROD)		Placeholder
133	TBD #6	100-BC-5	TBD	CERCLA	To support the anticipated Record of Decision (ROD)		Placeholder
134	TBD #7	100-BC-5	TBD	CERCLA	To support the anticipated Record of Decision (ROD)		Placeholder
135	TBD #8	100-BC-5	TBD	CERCLA	To support the anticipated Record of Decision (ROD)		Placeholder
136	TBD #9	100-BC-5	TBD	CERCLA	To support the anticipated Record of Decision (ROD)		Placeholder
137	TBD	100-KR-4	TBD	CERCLA	Placeholder - Planning for one monitoring wells FY Pump and Treat Optimization Plan 2021		Placeholder
138	TBD #1	100-HR-3	TBD	CERCLA	Planning for two monitoring wells FY Pump and Treat Optimization Plan 2021		Placeholder
139	TBD #2	100-HR-3	TBD	CERCLA	Planning for two monitoring wells FY Pump and Treat Optimization Plan 2021		Placeholder
140	TBD #1	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder
141	TBD #2	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder
142	TBD #3	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder
143	TBD #4	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder
144	TBD #5	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder
145	TBD #6	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder
146	TBD #7	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder
147	TBD #8	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder
148	TBD #9	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder
149	TBD #10	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder
150	TBD #11	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder
151	TBD #1	200-PO-1	TBD	NRDWL CERCLA /RCRA	Far-field downgradient wells are needed to be installed beyond the line of compliance per WA Ecology, to determine if dangerous waste		Placeholder

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
					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		
152	TBD #2	200-PO-1	TBD	NRDWL CERCLA /RCRA	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		Placeholder
153	TBD #3	200-PO-1	TBD	SWL CERCLA /RCRA	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		Placeholder
154	TBD #4	200-PO-1	TBD	SWL CERCLA /RCRA	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		Placeholder
155	TBD	200-PO-1	TBD	CERCLA /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. The groundwater monitoring plan in Rev 8C of the permit specifies the network will ultimately be comprised of 8 monitoring wells (3 upgradient and 5 downgradient). Seven of the eight wells have been installed		Placeholder
156	TBD	200-ZP-1	TBD	CERCLA /RCRA	LLWMA-4 Monitoring well - south side - Downgradient well to provide RCRA compliance monitoring		Placeholder
157	TBD	200-ZP-1	TBD	CERCLA /RCRA	LLWMA-4 Monitoring well - south side - Downgradient well to provide RCRA compliance monitoring		Placeholder
158	TBD	200-ZP-1	TBD	CERCLA /RCRA	LLWMA-4 Monitoring well - south side - Downgradient well to provide RCRA compliance monitoring		Placeholder
159	TBD	100-KR-4	TBD	CERCLA	Monitoring Well - Planning for one monitoring wells in each FY Pump and Treat Optimization Plan 2022		Placeholder

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
160	TBD #1	100-HR-3	TBD	CERCLA	Monitoring Well - Planning for two monitoring wells in each FY Pump and Treat Optimization Plan 2022		Placeholder
161	TBD #2	100-HR-3	TBD	CERCLA	Monitoring Well - Planning for two monitoring wells in each FY Pump and Treat Optimization Plan 2022		Placeholder
162	C8917	200-BP-5	699-46-92	CERCLA	Modutank #2 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.		Placeholder
163	C8918	200-BP-5	699-46-93	CERCLA	Modutank #3 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		Placeholder
164	C8919	200-BP-5	699-46-94	CERCLA	Modutank #4 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		Placeholder
165	TBD #1	100-NR-2	TBD	CERCLA	Implements biosparging for TPH To determine the effectiveness of the bioventing system to cleanup vadose zone petroleum contamination, wells will be drilled and sampled to determine TPH concentrations in the deep vadose zone. Wells will be used for biosparging and monitoring to remediate TPH contamination in the groundwater. Will be located within the vadose zone and groundwater TPH contamination area.		Placeholder
166	TBD #2	100-NR-2	TBD	CERCLA	To determine the effectiveness of the bioventing system to cleanup vadose zone petroleum contamination		Placeholder
167	TBD #3	100-NR-2	TBD	CERCLA	To determine the effectiveness of the bioventing system to cleanup vadose zone petroleum contamination		Placeholder
168	TBD #4	100-NR-2	TBD	CERCLA	To determine the effectiveness of the bioventing system to cleanup vadose zone petroleum contamination		Placeholder

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
169	TBD #5	100-NR-2	TBD	CERCLA	To determine the effectiveness of the bioventing system to cleanup vadose zone petroleum contamination		Placeholder
170	TBD #6	100-NR-2	TBD	CERCLA	To determine the effectiveness of the bioventing system to cleanup vadose zone petroleum contamination		Placeholder
171	TBD	200-BP-5	TBD	CERCLA /RCRA/A EA	216-B-9 All AEA wells focus on monitoring possible continuing sources of groundwater contamination.		Placeholder
172	TBD	200-BP-5	TBD	CERCLA /RCRA/A EA	216-C-1, C-3, C-7 All AEA wells focus on monitoring possible continuing sources of groundwater contamination.		Placeholder
173	TBD	200-BP-5	TBD	CERCLA /RCRA/A EA	216-C-1, C-3, C-7 All AEA wells focus on monitoring possible continuing sources of groundwater contamination.		Placeholder
174	TBD	200-PO-1	TBD	CERCLA /RCRA/A EA	216-A-18 All AEA wells focus on monitoring possible continuing sources of groundwater contamination.		Placeholder
175	TBD	200-PO-1	TBD	CERCLA /RCRA/A EA	216-A-2, A-4 All AEA wells focus on monitoring possible continuing sources of groundwater contamination.		Placeholder
176	TBD	200-PO-1	TBD	CERCLA /RCRA/A EA	216-A-21 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
177	TBD	200-PO-1	TBD	CERCLA /RCRA/A EA	216-A-3 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
178	TBD	200-PO-1	TBD	CERCLA /RCRA/A EA	216-A-5 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
179	TBD	200-PO-1	TBD	CERCLA /RCRA/A EA	219-A-19, A-20, A-34 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
180	TBD	200-PO-1	TBD	CERCLA /RCRA/A EA	219-A-19, A-20, A-34 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
181	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-T-14, T-15, T-16, T-17 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
182	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-T-14, T-15, T-16, T-17 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
183	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-T-18, T-26, T-27, T-28 All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Immediately downgradient		Placeholder
184	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-T-18, T-26, T-27, T-28 All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Immediately downgradient		Placeholder

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
185	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-T-19 All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Immediately downgradient		Placeholder
186	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-T-6 All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Immediately downgradient tank waste		Placeholder
187	TBD	200-UP-1	TBD	CERCLA /RCRA/A EA	216-S-6 All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Immediately downgradient Sr90, organics, H-3 source		Placeholder
188	TBD	200-UP-1	TBD	CERCLA /RCRA/A EA	216-S-12 All AEA wells focus on monitoring possible continuing sources of groundwater contamination.		Placeholder
189	TBD	200-UP-1	TBD	CERCLA /RCRA/A EA	216-S-9 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
190	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-T-34 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
191	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-Z-21 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
192	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-Z-4, Z-6, Z-17 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
193	TBD	200-BP-5	TBD	CERCLA /RCRA/A EA	216-BY Cribs All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
194	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-T-8 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
195	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-Z-1&2, Z-3, 207-Z, 241-Z, 241-Z-361 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
196	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-Z-1&2, Z-3, 207-Z, 241-Z, 241-Z-361 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
197	TBD	200-ZP-1	TBD	CERCLA /RCRA/A EA	216-Z-18 All AEA wells focus on monitoring possible continuing sources of groundwater contamination		Placeholder
198	TBD	100-KR-4	TBD	CERCLA /AEA	Replacement of A4643 199-K-11 KE Basins Non-WAC compliant due to the lack of a continuous annular seal around the casing		Placeholder
199	TBD	100-KR-4	TBD	CERCLA /AEA	Replacement of A4644 199-K-13 KE Basins Non-WAC compliant due to the lack of a continuous annular seal around the casing		Placeholder

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
200	TBD	100-KR-4	TBD	CERCLA /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		Placeholder
201	TBD	100-NR-2	TBD	CERCLA /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. TSD is being removed from permit		Placeholder
202	TBD	100-NR-2	TBD	CERCLA /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. TSD is being removed from permit		Placeholder
203	TBD	100-NR-2	TBD	CERCLA /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. TSD is being removed from permit		Placeholder
204	TBD	100-NR-2	TBD	CERCLA /RCRA	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. TSD is being removed from permit		Placeholder
205	TBD	100-NR-2	TBD	CERCLA /RCRA	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		Placeholder
206	TBD	100-NR-2	TBD	CERCLA /RCRA	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. TSD is being removed from permit		Placeholder
207	TBD	100-NR-2	TBD	CERCLA /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		Placeholder
208	TBD	200-BP-5	TBD	CERCLA /RCRA	Replacement of A4842 299-E33-15 RCRA Non-WAC compliant due to the		Placeholder

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
					lack of a continuous annular seal around the casing		
209	TBD	200-BP-5	TBD	CERCLA /RCRA	Replacement of A4843 299-E33-17 RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing		Placeholder
210	TBD	200-BP-5	TBD	CERCLA /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.		Placeholder
211	TBD	200-BP-5	TBD	CERCLA /RCRA	Replacement of A4848 299-E33-21 RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing		Placeholder
212	TBD	200-BP-5	TBD	CERCLA /RCRA	Replacement of A4873 299-E33-9 SALDS RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing		Placeholder
213	TBD	200-BP-5	TBD	CERCLA /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.		Placeholder
214	TBD	200-BP-5	TBD	CERCLA /RCRA	Replacement of A6788 299-E28-8 SALDS RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing		Placeholder
215	TBD	200-BP-5	TBD	CERCLA /RCRA	Replacement of A6855 299-E33-16 RCRA Non-WAC compliant due to the lack of a continuous annular seal around the casing		Placeholder
216	TBD	200-PO-1	TBD	CERCLA /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		Placeholder
217	TBD	200-PO-1	TBD	CERCLA /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		Placeholder
218	TBD	200-PO-1	TBD	CERCLA /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		Placeholder

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
					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		
219	TBD	200-PO-1	TBD	CERCLA /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		Placeholder
220	TBD	200-PO-1	TBD	CERCLA /RCRA	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		Placeholder
221	TBD	200-PO-1	TBD	CERCLA /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		Placeholder
222	TBD	200-UP-1	TBD	CERCLA /RCRA	Replacement of A5199 699-35-66A ERDF Non-WAC compliant due to the lack of a continuous annular seal around the casing		Placeholder
223	TBD	200-ZP-1	TBD	CERCLA /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		Placeholder
224	TBD	200-ZP-1	TBD	CERCLA /RCRA	Replacement of A5214 699-48-71 SALDS Non-WAC compliant due to the lack of a continuous annular seal around the casing. This well is important for tracking contamination to the northeast under CERCLA. 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		Placeholder
225	TBD	200-ZP-1	TBD	CERCLA /RCRA	Replacement of A5221 699-49-79 SALDS Non-WAC compliant due to the lack of a continuous annular seal around the casing. Surveillance well. Leave in the network		Placeholder
226	TBD	200-ZP-1	TBD	CERCLA /RCRA	Replacement of A5232 699-51-75 SALDS Non-WAC compliant due to the lack of a continuous annular seal around the casing. This well is important for		Placeholder

Row #	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year
					tracking contamination to the northwest under CERCLA. 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		
227	TBD	200-ZP-1	TBD	CERCLA /RCRA	Replacement of A7136 299-W10-1 WMA-T Non-WAC compliant due to the lack of a continuous annular seal around the casing		Placeholder
228	TBD	200-ZP-1	TBD	CERCLA /RCRA	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.		Placeholder