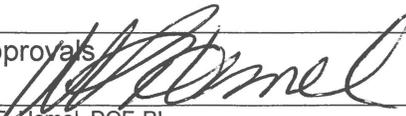
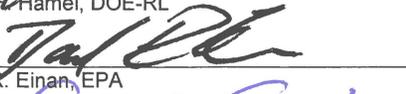


Change Number M-24-19-01	Federal Facility Agreement and Consent Order Change Control Form		Date 5/20/2019
Originator Michael Cline			Phone 376-6070
Class of Change <input type="checkbox"/> I – Signatories <input checked="" type="checkbox"/> II – Executive Managers <input type="checkbox"/> III – Project Managers			
Change Title Groundwater Protection, Monitoring, and Remediation Well Installation Priority List Update Through CY 2022, Including New Interim Milestone and Target Date			
Description/Justification of Change <p>This change control form completes the 2019 Hanford Federal Facility Agreement and Consent Order target date M-024-70-T01 requirement to conclude discussions of groundwater monitoring well commitments initiated under M-024-58 by August 1, 2019, and adds one new interim M-024 milestone to incorporate well installations needed to maintain a three-year rolling prioritized schedule consistent with the site-wide cleanup priorities. Replacement of serviceable monitoring wells not meeting regulatory construction specifications is deferred to support groundwater remediation needs.</p> <p>The Parties have successfully concluded discussions, and by approval of this change control form, establish the interim TPA milestone M-024-73 for completion of Calendar Year (CY) 2022 well installations. This change control form also creates the M-024-73-T01 target date for concluding well discussions by August 1, 2022.</p> <p>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.</p> <p style="text-align: center;"><i>Continued on page 2</i></p>			
Impact of Change This change control form provides for continued installation of new groundwater protection, monitoring, and remediation wells. This change control form creates an interim milestone M-024-73 and a target date M-024-73-T01.			
Affected Documents The Tri-Party Agreement, as amended, Hanford Site internal planning management, and budget documents (e.g., DOE and DOE contractor Baseline Change Control documents, Project Management Plans).			
Approvals		6/11/19	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>
W.F. Hamel, DOE-RL		Date	
		6/17/19	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>
D.R. Einar, EPA		Date	
		6/13/19	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>
A.K. Smith, Ecology		Date	
			Page 1 of 2

Description/Justification of Change (continued)

Approval of this change control form updates the list of monitoring wells planned to be drilled/constructed in CY 2020 and CY 2021, as well as provides the list of wells for CY 2022. Monitoring wells identified to be drilled/constructed in the years CY 2020 through CY 2022 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.

Authorized Changes

Modifications to the HFFACO are displayed by using double underline to indicate added text and ~~strikeout~~ to indicate deleted text.

Number	Milestone	Due Date
<p><u>M-024-73</u> Lead Regulatory Agency: Ecology</p>	<p><u>DOE shall complete the construction of all wells listed for calendar year 2022 and before, as identified in TPA change package M-24-19-01.</u></p> <p><u>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.</u></p> <p><u>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.</u></p>	<p><u>12/31/2022</u></p>
<p><u>M-024-73-T01</u> Lead Regulatory Agency: Ecology</p>	<p><u>Conclude discussions of well commitments initiated under M-024-58.</u></p>	<p><u>08/01/2022</u></p>

	A	C	D	E	F	G	H	I	J
1	TEMP 2019 #S	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year	
47	46	C9955	200-UP-1	299-W20-1	CERCLA	Monitoring (uranium, technetium-99, and nitrate plumes) PMP Monitoring well. Address uncertainty concerning eastern extent of uranium plume approximately 400 m upgradient from 299-W19-116	drilling	M-024 CY2020	FY2019 WBS 030.03.06.01.50
48	47	C9954	200-UP-1	299-W19-131	CERCLA	Monitoring (uranium, technetium-99, and nitrate plumes) PMP Monitoring well. Address uncertainty concerning eastern extent of uranium plume approximately 200 m upgradient from 299-W19-116	drilling	M-024 CY2020	FY2019 WBS 030.03.06.01.50
49	48	C9985 or C9872	100-FR-3	699-70-29 or 699-71-24	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells (C9472 through C9480)		M-024 CY2020	FY2019 WBS 030.03.13.01.50
50	49	C9873	100-FR-3	699-68-29	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells (C9472 through C9480)		M-024 CY2020	FY2019 WBS 030.03.13.01.50
51	50	C9874	100-FR-3	699-60-27	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells (C9472 through C9480)		M-024 CY2020	FY2019 WBS 030.03.13.01.50
52	51	C9875	100-FR-3	699-73-30	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells (C9472 through C9480)		M-024 CY2020	FY2019 WBS 030.03.13.01.50
53	52	C9876	100-FR-3	699-71-30B	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells (C9472 through C9480) replacing Non-WAC well A5320 699-71-30		M-024 CY2020	FY2019 WBS 030.03.13.01.50
54	53	C9877	100-FR-3	699-77-34B	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells (C9472 through C9480) replacing Non-WAC A4603 199-F7-1		M-024 CY2020	FY2019 WBS 030.03.13.01.50
55	54	C9604	200-UP-1	299-W19-126	CERCLA	Dual-Use Monitoring/Extraction (U Plant area uranium and technetium-99 plumes) PMP Monitoring Well. Monitor I-129, NO3, Tc-99, H-3, and U west of U Plant; source monitoring for I 129, NO3, Tc-99, and U downgradient of 216-U-1/2 Cribs.	Initiated drilling	M-024 CY2020	FY2019 WBS 030.03.06.01.50
56	55	C9867	200-PO-1	699-43-43B	RCRA/ CERCLA	Replacement for well B8758 699-43-44 due to failed casing, critical downgradient RCRA well B-Pond replacement well (C9867) – RCRA replacement well; recommend delay installation until the Engineering Report is approved by Ecology that identifies the actual location. SGW-60591 216-B-3		M-024 CY2020	FY20 WBS 030.03.09.01
57	56	C9914	200-BP-5	299-E27-40	RCRA/ CERCLA	Replacement well for C4125 299-E27-4 (which was decommissioned 12-11-17).WMA C. EER identified well in SGW-60588		M-024 CY2020	FY20 WBS 030.03.09.01
58	57	D0044	200-BP-5	WMA_C_PW-1	RCRA/ CERCLA	EER identified well in SGW-60588, WMA_C_PW-1		M-024 CY2020	FY20 WBS 030.03.09.01
59	58	D0045	200-BP-5	WMA_C_PW-2	RCRA/ CERCLA	EER identified well in SGW-60588, WMA_C_PW-2		M-024 CY2020	FY20 WBS 030.03.09.01
60	59	D0013	200-ZP-1	T-31-34_PW-1	RCRA/ CERCLA	EER identified well in SGW-59564 T-31-34_PW-1		M-024 CY2020	FY20 WBS 030.03.09.01
61	60	D0014	200-ZP-1	T-31-34_PW-2	RCRA/ CERCLA	EER identified well in SGW-59564 T-31-34_PW-2		M-024 CY2020	FY20 WBS 030.03.09.01
62	61	D0015	200-ZP-1	T-31-34_PW-3	RCRA/ CERCLA	EER identified well in SGW-59564 T-31-34_PW-3		M-024 CY2021	FY20 WBS 030.03.09.01
63	62	C9726	200-BP-5	299-E35-6	RCRA/AEA/CERCLA	Downgradient of Trench 94 for AEA. Trench 94 contains Naval reactors from decommissioned vessels and has no groundwater monitoring. 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 for RCRA monitoring, however, AEA monitoring is still required.		M-024 CY2021	FY20 WBS 030.03.09.01
64	63	C9566	200-UP-1	299-W22-123	AEA/CERCLA	216-S-20, S-22, immediately downgradient of Cr,I-129, 1,4-Dioxane. Replacement well for A7843 299-W22-20 which is sample dry. Monitor Cr, I-129, NO3, Tc-99, and H-3 downgradient of WMA S-SX and REDOX Plant;		M-024 CY2021	FY20 WBS 030.03.09.01
65	64	D0016	200-UP-1	299-W18-261	RCRA/ CERCLA	EER identified well in SGW-60578 WMA U PW1		M-024 CY2021	FY20 WBS 030.03.09.01
66	65	C9921	100-KR-4	199-K-233	CERCLA	Define inland plume extent of CrVI plume that straddles the 100-KR/100-NR GWIA boundary Near 100-N-96 military camp CRR for this project (HCRC#2017-100-008/ECR-2017-118) has reached an "Adverse Effect" finding. This means that, moving forward, DOE will develop an MOA in consultation with the Tribes and SHPO.		M-024 CY2021	FY20 WBS 030.03.01.01
67	66	D0090	100-KR-4	199-K-240	CERCLA	Well to support future soil flushing activities at 183.1 KE Headhouse		M-024 CY2021	FY20 WBS 030.03.01.01
68	67	D0089	100-KR-4	199-K-239	WAC/CERCLA	Replacement well for A4644 (199-K-13) Non-WAC compliant due to the lack of a continuous annular seal around the casing		M-024 CY2021	FY20 WBS 030.03.01.01
69	68	C9929	100-HR-3	199-D11-1	CERCLA	100-D Area (Horn) next to existing well D7-6 Install new RUM aquifer monitoring well in the northwest Horn area for plume delineation and geologic characterization.		M-024 CY2021	FY20 WBS 030.03.03.02
70	69	C9934	100-HR-3	699-96-42B	CERCLA	100-H Area (Horn) next to 199-H4-75 at outer edge of 100-H Install new RUM aquifer monitoring well in the border between 100-H and the Horn for plume delineation and geologic characterization.		M-024 CY2021	FY20 WBS 030.03.03.02
71	70	C9722	100-HR-3	199-D7-7	CERCLA	Needed for extraction or monitoring depending upon concentrations found in the first water bearing unit of the RUM. Recommend well for pump and treat optimization		M-024 CY2021	FY20 WBS 030.03.03.02
72	71	C9721	100-HR-3	699-95-48B	CERCLA	Needed for monitoring, characterization, and delineation of contamination in the first water bearing unit of the RUM. Potential for extraction in FY21 depending on concentrations identified.		M-024 CY2021	FY20 WBS 030.03.03.02
73	72	C9930	100-HR-3	699-95-48C	CERCLA	100-H Horn next to 199-H4-80 Needed for extraction or monitoring depending upon concentrations found in the first water bearing unit of the RUM. Recommend well for pump and treat optimization		M-024 CY2021	FY20 WBS 030.03.03.02
74	73	C9928	100-HR-3	699-98-50	CERCLA	100-D Area (Horn) next to existing well 699-98-49A Install new RUM aquifer monitoring well in the north central Horn area for plume delineation and geologic characterization.		M-024 CY2021	FY20 WBS 030.03.03.02
75	74	C9723	100-HR-3	199-H3-31	CERCLA	Southeast 100-H Needed for extraction or monitoring depending upon concentrations found in the first water bearing unit of the RUM. Recommend well for pump and treat optimization		M-024 CY2021	FY20 WBS 030.03.03.02
76	75	C9932	100-HR-3	199-H4-94	CERCLA	100-H; next to 199-H1-45 Install new RUM aquifer monitoring well in the area between the Horn and 100-H for plume delineation and geologic characterization.		M-024 CY2021	FY20 WBS 030.03.03.02
77	76	C9739	200-ZP-1	299-W11-98	CERCLA	Enhance C-Tet plume delineation North of 200 West Process Building CERCLA MW-3A to further delineate the northern boundaries of the C-TET plume with concentrations >100 ug/L - rwia below the Rlm (Well priority in PMP DOE/RL-2009-115 Rev. 3 Draft Rev A) 200-ZP-1 CERCLA Monitoring Well #MW3ABC Performance Monitoring Plan (DOE/RL-2009-115		M-024 CY2021	FY20 WBS 030.03.07.02.
78	77	C9994	200-ZP-1	299-W10-37	CERCLA	Enhance C-Tet plume delineation North of WMA T, TX-TY Improve monitoring coverage near the source areas north of the TX-TY and will better delineate areas with concentrations >100 ug/L in rwie (Well priority in PMP DOE/RL-2009-115 Rev. 3 Draft Rev A)		M-024 CY2021	FY20 WBS 030.03.07.02.
79	78	D0080	200-ZP-1	299-W13-4	CERCLA	Characterization monitoring well of the Rwia (FY21) West of 200 West Process Building Sufficient data must be collected in the study area to adequately define the nature and extent of the 200-ZP-1 OU COC plumes and the hydrogeologic properties, hydraulic properties, and transport parameters of the Rwia, the Rlm, and, to a limited extent, the Rwie in the study area to support fate and transport modeling, to evaluate performance of the 200-ZP-1 OU remedy, and to make recommendations for optimization or modifications to that remedy.		M-024 CY2021	FY20 WBS 030.03.07.02.
80	79	D0081	200-ZP-1	299-W19-133	CERCLA	Characterization monitoring well of the Rwia (FY21) Northeast of U Plant Sufficient data must be collected in the study rwia to adequately define the nature and extent of the 200-ZP-1 OU COC plumes and the hydrogeologic properties, hydraulic properties, and transport parameters of the Rwia, the Rlm, and, to a limited extent, in the Rwie to support fate and transport modeling, to evaluate performance of the 200-ZP-1 OU remedy, and to make recommendations for optimization or modifications to that remedy.		M-024 CY2021	FY20 WBS 030.03.07.02.
81	80	D0082	200-ZP-1	699-46-70	CERCLA	Characterization monitoring well of the Rwia (FY21) Northeast corner of 200 West Sufficient data must be collected in the study rwia to adequately define the nature and extent of the 200-ZP-1 OU COC plumes and the hydrogeologic properties, hydraulic properties, and transport parameters of the Rwia, the Rlm, and, to a limited extent, in the Rwie to support fate and transport modeling, to evaluate performance of the 200-ZP-1 OU remedy, and to make recommendations for optimization or modifications to that remedy.		M-024 CY2021	FY20 WBS 030.03.07.02.
82	81	D0083	200-ZP-1	699-45-67C	CERCLA	Characterization monitoring well of the Rwia (FY21) Northeast corner of 200 West Sufficient data must be collected in the study rwia to adequately define the nature and extent of the 200-ZP-1 OU COC plumes and the hydrogeologic properties, hydraulic properties, and transport parameters of the Rwia, the Rlm, and, to a limited extent, in the Rwie to support fate and transport modeling, to evaluate performance of the 200-ZP-1 OU remedy, and to make recommendations for optimization or modifications to that remedy.		M-024 CY2021	FY20 WBS 030.03.07.02.
83	82	D0020	200-ZP-1	299-W10-200	RCRA/ CERCLA	EER identified well in SGW-60576 WMA_TX-TY_PW1		M-024 CY2021	Drill FY 2021 part of 20 well campaign
84	83	D0021	200-ZP-1	299-W15-231	RCRA/ CERCLA	EER identified well in SGW-60576 WMA_TX-TY_PW2		M-024 CY2021	Drill FY 2021 part of 20 well campaign
85	84	C9970	200-ZP-1	TBD	RCRA/ CERCLA	Replacement of B8549 299-W14-13 expected to go dry in 2019. Installed low-purge volume bladder pump in 2016 anticipating that sampling with low-purge volume pump will allow us to continue to sample these wells. Successfully sampled in 2016. Well identified in SGW-60576, WMA TX-TY		M-024 CY2021	Drill FY 2021 part of 20 well campaign
86	85	C9969	200-ZP-1	TBD	RCRA/ CERCLA	Replacement well for 299-W14-15 expected to go dry in 2019. Installed low-purge volume bladder pump in 2016 anticipating that sampling with low-purge volume pump will allow us to continue to sample these wells and not have to replace them. Water level decreased. Well identified in SGW-60576, WMA TX-TY		M-024 CY2021	Drill FY 2021 part of 20 well campaign
87	86	C9971	200-ZP-1	TBD	RCRA/ CERCLA	Replacement well for 299-W14-18 expected to go dry in 2019. Installed low-purge volume bladder pump in 2016 anticipating that sampling with low-purge volume pump will allow us to continue to sample these wells. Successfully sampled in 2016. Well identified in SGW-60576, WMA TX-TY		M-024 CY2021	Drill FY 2021 part of 20 well campaign

	A	C	D	E	F	G	H	I	J
1	TEMP 2019 #S	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year	
88	87	TBD	200-ZP-1	TBD	RCRA/ CERCLA	Replacement of B8548 299-W10-26 expected to go dry in 2019. Installed low-purge volume bladder pump in 2016 anticipating that sampling with low-purge volume pump will allow us to continue to sample these wells. Successfully sampled in 2018. Well identified in SGW-60576, WMA TX-TY		M-024 CY2021	Drill FY 2021 part of 20 well campaign
89	88	TBD	200-ZP-1	TBD	RCRA/ CERCLA	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 Well identified in SGW-60576, WMA TX-TY		M-024 CY2021	Drill FY 2021 part of 20 well campaign
90	89	TBD	200-ZP-1	TBD	RCRA/ CERCLA	Replacement of C3396 299-W10-8 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 Successfully sampled in 2016. Part of Rev 9 Permit WMA-TX/TY		M-024 CY2021	Drill FY 2021 part of 20 well campaign
91	90	C9606	200-UP-1	299-W19-128	CERCLA	PMP Monitoring Well. Monitor primarily for NO3 and Tc-99 downgradient from WMA U; source monitoring for U downgradient of 216-U-14 Ditch. WMA U		M-024 CY2021	Drill FY 2021 part of 20 well campaign
92	91	C8926	200-UP-1	299-W19-112	WAC/CERCLA	Replacement well for A4945 299-W19-12 Non-WAC compliant, east of U tank farm. Sample dry in 2018. WMA U		M-024 CY2022	Drill FY 2021 part of 20 well campaign
93	92	C9605	200-UP-1	299-W19-127	CERCLA	PMP Monitoring Well. Monitor primarily for NO3 and Tc-99 downgradient from WMA U; source monitoring for U downgradient of 216-U-14 Ditch. WMA U		M-024 CY2022	Drill FY 2021 part of 20 well campaign
94	93	D0017	200-ZP-1	299-W10-199	RCRA/ CERCLA	EER identified well in SGW-60575 WMA-T_PW1		M-024 CY2022	Drill FY 2021 part of 20 well campaign
95	94	D0018	200-ZP-1	299-W11-101	RCRA/ CERCLA	EER identified well in SGW-60575 WMA-T_PW2		M-024 CY2022	Drill FY 2021 part of 20 well campaign
96	95	D0019	200-ZP-1	299-W11-102	RCRA/ CERCLA	EER identified well in SGW-60575 WMA-T_PW3		M-024 CY2022	Drill FY 2021 part of 20 well campaign
97	96	TBD	200-ZP-1	TBD	RCRA/ CERCLA	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.		M-024 CY2022	Drill FY 2021 part of 20 well campaign
98	97	TBD	200-ZP-1	TBD	RCRA/ CERCLA	Replacement of A7136 299-W10-1 WMA-T Non-WAC compliant due to the lack of a continuous annular seal around the casing		M-024 CY2022	Drill FY 2021 part of 20 well campaign
99	98	D0034	200-UP-1	216-S-10_PW1	RCRA/ CERCLA	EER identified well, Chrome characterization well #1 in SGW-60585 216-S-10_PW1		M-024 CY2022	Drill FY 2021 part of 20 well campaign
100	99	D0035	200-UP-1	216-S-10_PW2	RCRA/ CERCLA	EER identified well, Chrome characterization well #2 in SGW-60585 216-S-10_PW2		M-024 CY2022	Drill FY 2021 part of 20 well campaign
101	100	D0036	200-UP-1	216-S-10_PW3	RCRA/ CERCLA	EER identified well, Chrome characterization well #3 in SGW-60585 216-S-10_PW3		M-024 CY2022	Drill FY 2021 part of 20 well campaign
102	101	D0037	200-UP-1	216-S-10_PW4	RCRA/ CERCLA	EER identified well, Chrome characterization well #4 in SGW-60585 216-S-10_PW4		M-024 CY2022	Drill FY 2021 part of 20 well campaign
103	102	D0075	100-FR-3	TBD	CERCLA	Maintain adequate monitoring network.		M-024 CY2022	
104	103	C9980	200-UP-1	299-W19-132	AEA/CERCLA	PMP Monitoring Well. Replacement well for A4948 299-W19-2, decommissioned on 3/11/1998. Source area monitoring for U, NO3, H-3, and strontium-90 downgradient of the 216 U-8 crib. Crib received 379 M liters of process condensate from 221-U and 224-U buildings. Received largest uranium release inventory in 200W. Historical groundwater monitoring confirmed groundwater contamination. No local groundwater monitoring since 1995. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1 OU and UP-1 OU.		M-024 CY2022	
105	104	D0003	200-UP-1	299-W22-125	AEA/CERCLA	216-S-1&2 received 160 M liters of acidic REDOX process condensate, confirmed release of fission products to groundwater, all nearby and down gradient wells are decommissioned, no current groundwater monitoring. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1 OU and UP-1 OU.		M-024 CY2022	
106	105	C9976	200-UP-1	TBD	CERCLA	PMP U-3 Delineate high concentration portion of uranium plume between C9567 299-W19-123 and B2461 299-W19-36 to support optimization of uranium extraction		M-024 CY2022	
107	106	C9977	200-UP-1	TBD	CERCLA	PMP Monitoring well. Address uncertainty concerning northern extent of uranium plume downgradient of the southern end of U Plant		M-024 CY2022	
108	107	C9568	200-UP-1	299-W19-124	CERCLA	PMP Monitoring Well. Monitor I-129, NO3, Tc-99, H-3, and U west of U Plant; source monitoring for I 129, NO3, Tc-99, and U downgradient of 216-U-1/2 Crib. Address uncertainty concerning southwestern extent of uranium plume approximately 100 m south-southeast of 299-W19-115. U Plant		M-024 CY2022	
109	108	D0084	200-ZP-1	299-W14-26	CERCLA	Sufficient data must be collected in the study rwia to adequately define the nature and extent of the 200-ZP-1 OU COC plumes and the hydrogeologic properties, hydraulic properties, and transport parameters of the Rwia, the Rlm, and, to a limited extent, in the Rwie to support fate and transport modeling, to evaluate performance of the 200-ZP-1 OU remedy, and to make recommendations for optimization or modifications to that remedy.		M-024 CY2022	
110	109	D0085	200-ZP-1	699-40-70	CERCLA	Based on these needs, Sufficient data must be collected in the study rwia to adequately define the nature and extent of the 200-ZP-1 OU COC plumes and the hydrogeologic properties, hydraulic properties, and transport parameters of the Rwia, the Rlm, and, to a limited extent, in the Rwie to support fate and transport modeling, to evaluate performance of the 200-ZP-1 OU remedy, and to make recommendations for optimization or modifications to that remedy.		M-024 CY2022	
111	110	D0086	200-ZP-1	699-42-62	CERCLA	Sufficient data must be collected in the study rwia to adequately define the nature and extent of the 200-ZP-1 OU COC plumes and the hydrogeologic properties, hydraulic properties, and transport parameters of the Rwia, the Rlm, and, to a limited extent, in the Rwie to support fate and transport modeling, to evaluate performance of the 200-ZP-1 OU remedy, and to make recommendations for optimization or modifications to that remedy.		M-024 CY2022	
112	111	D0087	200-ZP-1	699-41-65	CERCLA	Sufficient data must be collected in the study rwia to adequately define the nature and extent of the 200-ZP-1 OU COC plumes and the hydrogeologic properties, hydraulic properties, and transport parameters of the Rwia, the Rlm, and, to a limited extent, in the Rwie to support fate and transport modeling, to evaluate performance of the 200-ZP-1 OU remedy, and to make recommendations for optimization or modifications to that remedy.		M-024 CY2022	
113	112	C9927	200-ZP-1	TBD	CERCLA	200-ZP-1 CERCLA Monitoring Well MW4A&B Performance Monitoring Plan (DOE/RL-2009-115 Rev. 2) drilling single wells with multiple screened intervals and sampling them with low-flow Spectra device to avoid mixing between.		M-024 CY2022	
114	113	TBD	200-ZP-1	TBD	CERCLA	200-ZP-1 CERCLA Monitoring Well MW5A&B Performance Monitoring Plan (DOE/RL-2009-115 Rev. 2) drilling single wells with multiple screened intervals and sampling them with low-flow Spectra device to avoid mixing between.		M-024 CY2022	
115	114	C9999	200-ZP-1	699-45-65	CERCLA	200-ZP-1 RD/RA WP		M-024 CY2022	
116	115	D0076	100-FR-3	TBD	CERCLA	Maintain adequate monitoring network.		M-024 CY2022	
117	116	C9718	100-HR-3	199-D2-14	CERCLA	Southeast 100-D Needed for extraction or monitoring depending upon concentrations found in the first water bearing unit of the RUM. Recommend well for pump and treat optimization		M-024 CY2022	
118	117	TBD	100-KR-4	TBD	WAC/CERCLA	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		M-024 CY2022	
119	118	TBD	100-KR-4	TBD	WAC/CERCLA	Replacement of A4643 199-K-11 KE Basins Non-WAC compliant due to the lack of a continuous annular seal around the casing		M-024 CY2022	
120	119	TBD	100-KR-4	TBD	CERCLA	Inside the footprint of 116-KE-1 Characterize the vertical extent of contamination remaining in the vadose zone beneath the 116-KE-1 Gas Condensate Crib.		M-024 CY2022	
121	120	TBD	200-BP-5	TBD	CERCLA	Upper aquifer well next to well 299-E28-31. Monitor uranium plume. Well identified in the FS but document is not approved yet Monitor uranium plume. B Plant		M-024 CY2022	
122	121	D0053	200-PO-1	216-A-29_PW-1	RCRA/ CERCLA	EER identified well in SGW-60592, 216-A-29_PW-1, downgradient of 216-A-29 Ditch		Placeholder	Drill FY 2022 part of 20 well campaign
123	122	D0054	200-PO-1	216-A-29_PW-2	RCRA/ CERCLA	EER identified well in SGW-60592, 216-A-29_PW-2, downgradient of 216-A-29 Ditch		Placeholder	Drill FY 2022 part of 20 well campaign
124	123	D0055	200-PO-1	216-A-29_PW-3	RCRA/ CERCLA	EER identified well in SGW-60592, 216-A-29_PW-3, downgradient of 216-A-29 Ditch		Placeholder	Drill FY 2022 part of 20 well campaign
125	124	D0056	200-PO-1	216-A-29_PW-4	RCRA/ CERCLA	EER identified well in SGW-60592, 216-A-29_PW-4, downgradient of 216-A-29 Ditch		Placeholder	Drill FY 2022 part of 20 well campaign
126	125	D0057	200-PO-1	216-A-29_PW-5	RCRA/ CERCLA	EER identified well in SGW-60592, 216-A-29_PW-5, downgradient of 216-A-29 Ditch		Placeholder	Drill FY 2022 part of 20 well campaign
127	126	D0058	200-PO-1	216-A-29_PW-6	RCRA/ CERCLA	EER identified well in SGW-60592, 216-A-29_PW-6, downgradient of 216-A-29 Ditch		Placeholder	Drill FY 2022 part of 20 well campaign
128	127	D0048	200-PO-1	216-A-37-1_PW-3	RCRA/ CERCLA	EER identified well in SGW-60593 216-A-29 216-A-37-1_PW-3		Placeholder	Drill FY 2022 part of 20 well campaign
129	128	C9965	200-PO-1	TBD	RCRA/ CERCLA	Replacement of A4728 299-E17-1 Non-WAC compliant, starting to show some possible signs of casing corrosion - evidence is unfiltered metals values are higher than filtered metals. It is currently being used in the CERCLA network as upgradient well for 216-A-36B and is providing acceptable data. Could be needed in FY2020. EER identified well in SGW-60595 216-A-36B		Placeholder	Drill FY 2022 part of 20 well campaign

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1	TEMP 2019 #S	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year	
130	129	D0046	200-PO-1	216-A-37-1_PW-1	RCRA/ CERCLA	EER identified well in SGW-60593 216-A-37-1_PW-1		Placeholder	Drill FY 2022 part of 20 well campaign
131	130	D0047	200-PO-1	216-A-37-1_PW-2	RCRA/ CERCLA	EER identified well in SGW-60593 216-A-37-1_PW-2		Placeholder	Drill FY 2022 part of 20 well campaign
132	131	TBD	200-PO-1	TBD	RCRA/ CERCLA	Replacement well for A4765 299-E25-19 Non-WAC compliant due to the lack of a continuous annular seal around the casing. Currently used in RCRA network and providing acceptable data. EER identified well in SGW-60593 216-A-37-1		Placeholder	Drill FY 2022 part of 20 well campaign
133	132	TBD	200-PO-1	TBD	RCRA/ CERCLA	Replacement well for A6031 (299-E25-17) Non-WAC compliant due to the lack of a continuous annular seal around the casing. Currently used in RCRA network and providing acceptable data. EER identified well in SGW-60593 216-A-37-1		Placeholder	Drill FY 2022 part of 20 well campaign
134	133	TBD	200-PO-1	TBD	RCRA/ CERCLA	Replacement well for A4767 (299-E25-20) Non-WAC compliant due to the lack of a continuous annular seal around the casing. Currently used in RCRA network and providing acceptable data. (also identified as a downgradient monitoring well. EER identified well in SGW-60593 216-A-37-1		Placeholder	Drill FY 2022 part of 20 well campaign
135	134	D0042	200-PO-1	WMA A-AX_PW-1	RCRA/ CERCLA	EER identified well in SGW-60586 WMA A-AX_PW1		Placeholder	Drill FY 2022 part of 20 well campaign
136	135	D0043	200-PO-1	WMA A-AX_PW-2	RCRA/ CERCLA	EER identified well in SGW-60586 WMA A-AX_PW2		Placeholder	Drill FY 2022 part of 20 well campaign
137	136	C9868	200-PO-1	TBD	RCRA/ CERCLA	Replacement well for 299-E25-41, casing corrosion identified in the screen interval. Potential for well going sample dry. Showing valuable information on upgradient contaminants that have come onto the A-AX site that are not necessarily associated with A-AX source. Needs PVC. Well identified in SGW-60586. WMA A-AX		Placeholder	Drill FY 2022 part of 20 well campaign
138	137	C9968	200-PO-1	699-43-43B	RCRA/ CERCLA	Replacement well for A4766 (299-E25-2) Non-WAC compliant due to the lack of a continuous annular seal around the casing. Currently used with the WMA A-AX RCRA well network as a downgradient well and providing acceptable data.		Placeholder	Drill FY 2022 part of 20 well campaign
139	138	D0062	200-BP-5	WMA_B-BX-BY_PW-1	RCRA/ CERCLA	EER identified well in SGW-60587, WMA_B-BX-BY_PW-1		Placeholder	Drill FY 2022 part of 20 well campaign
140	139	TBD	200-BP-5	TBD	RCRA/ CERCLA	Replacement of A4847 (299-E33-20) Non-WAC compliant due to the lack of a continuous annular seal around the casing. May go dry in the near future (may not need to be replaced, has water but high zinc due to galvanized pipe. Well identified in SGW-60587. EER well WMA B-BX-BY		Placeholder	Drill FY 2022 part of 20 well campaign
141	140	TBD	200-BP-5	TBD	CERCLA	Replacement of A4843 299-E33-17 Non-WAC compliant due to the lack of a continuous annular seal around the casing. WMA-B-BX-BY CERCLA well, RCRA WAC requirements do not		Placeholder	Drill FY 2022 part of 20 well campaign
142	141	TBD	200-UP-1	TBD	AEA/CERCLA	216-S-12 received 68 K liters of REDOX stack flush waste. No groundwater monitoring in the vicinity. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with UP-1 OU.		Placeholder	
143	142	TBD	200-BP-5	TBD	AEA/CERCLA	218-C-9 Trench received over 1 B liters of waste water from strontium semiworks. No groundwater monitoring history. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with EA-1 OU and BP-5 OU. Semiworks Area		Placeholder	
144	143	TBD	200-PO-1	TBD	AEA/CERCLA	216-A-3 Crib received 2.1 M liters of various PUREX mixed liquid process wastes. No groundwater monitoring history. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with EA-1 OU and PO-1 OU. PUREX Area		Placeholder	
145	144	C9981	200-UP-1	TBD	AEA/CERCLA	PMP Monitoring Well. Source area monitoring for I-129 downgradient of 216-S-9 crib. 216-S-9 received 52 M liters of acidic process condensate from REDOX. No down gradient groundwater monitoring since 2012. Increasing nitrate concentration transient noted prior to end of monitoring. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1 and UP-1 OUs.		Placeholder	
146	145	TBD	200-UP-1	TBD	AEA/CERCLA	216-U-12 Crib received 150 M liters of process condensate waste from 224-U (Uranium Trioxide Plant). No near-field wells remain in service. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1 OU and UP-1 OU.		Placeholder	
147	146	TBD	200-BP-5	TBD	AEA/CERCLA	216-B-9 Crib received 39 M liters of B Plant process waste. No groundwater monitoring history. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with EA-1 OU and BP-5 OU. B Plant Area.		Placeholder	
148	147	C9978	200-UP-1	TBD	CERCLA	PMP Monitoring well. Delineate downgradient extent of I-129 plume and assess hydraulic containment remedy approximately 500 m southeast of 699-35-66A		Placeholder	
149	148	C9983	200-UP-1	TBD	CERCLA	PMP Monitoring well. Delineate extent of NO3 plume in an area with few monitoring wells approximately 500 m north-northeast of 699-38-70C		Placeholder	
150	149	C9979	200-UP-1	TBD	CERCLA	PMP Monitoring well. Delineate downgradient extent of I-129 plume and assess hydraulic containment remedy approximately equidistant from 699-36-66B and injection wells 699-E20-1 and 699-E20-2; also delineate extent of NO3 plume approximately 500 m southeast of 699-38-65		Placeholder	
151	150	C9611	200-UP-1	699-43-58	CERCLA	PMP Monitoring well. Verify connection of NO3 plume with BP-5 NO3 plume. Remedy performance monitoring wells. Delineate magnitude of NO3 concentration in an area with few monitoring wells.		Placeholder	
152	151	C9982	200-UP-1	TBD	RCRA/ CERCLA	PMP Monitoring Well. Shallow source area monitoring, potentially for Cr, I-129, NO3, Tc-99, and H-3, downgradient of the 216 S-23 crib; to be paired with existing downgradient well (299-W19-6) that is screened deep		Placeholder	
153	152	TBD	200-PO-1	TBD	CERCLA	Replacement of A5123 699-31-31 due to Non-WAC compliant 200-PO-1 Far-field		Placeholder	
154	153	TBD	200-BP-5	TBD	CERCLA	Replacement of A4848 299-E33-21 Non-WAC compliant due to the lack of a continuous annular seal around the casing. WMA-B-BX-BY CERCLA well, RCRA WAC requirements do not apply.		Placeholder	Drill FY 2023 part of 20 well campaign
155	154	TBD	200-BP-5	TBD	CERCLA	Replacement of A6788 299-E28-8 SALDS Non-WAC compliant due to the lack of a continuous annular seal around the casing. WMA-B-BX-BY CERCLA well, RCRA WAC requirements do not apply.		Placeholder	Drill FY 2023 part of 20 well campaign
156	155	D0063	200-BP-5	216-B-63_PW-1	RCRA/ CERCLA	EER identified well in SGW-60594 216-B-63_PW-1		Placeholder	Drill FY 2023 part of 20 well campaign
157	156	D0064	200-BP-5	216-B-63_PW-2	RCRA/ CERCLA	EER identified well in SGW-60594 216-B-63_PW-2		Placeholder	Drill FY 2023 part of 20 well campaign
158	157	D0065	200-BP-5	216-B-63_PW-3	RCRA/ CERCLA	EER identified well in SGW-60594 216-B-63_PW-3		Placeholder	Drill FY 2023 part of 20 well campaign
159	158	D0066	200-BP-5	216-B-63_PW-4	RCRA/ CERCLA	EER identified well in SGW-60594 216-B-63_PW-4		Placeholder	Drill FY 2023 part of 20 well campaign
160	159	D0067	200-BP-5	216-B-63_PW-5	RCRA/ CERCLA	EER identified well in SGW-60594 216-B-63_PW-5		Placeholder	Drill FY 2023 part of 20 well campaign
161	160	D0068	200-BP-5	216-B-63_PW-6	RCRA/ CERCLA	EER identified well in SGW-60594 216-B-63_PW-6		Placeholder	Drill FY 2023 part of 20 well campaign
162	161	D0049	200-PO-1	216-B-3_PW-1	RCRA/ CERCLA	EER identified well in SGW-60591, 216-B-3_PW-1		Placeholder	Drill FY 2023 part of 20 well campaign
163	162	D0050	200-PO-1	216-B-3_PW-2	RCRA/ CERCLA	EER identified well in SGW-60591, 216-B-3_PW-2		Placeholder	Drill FY 2023 part of 20 well campaign
164	163	D0051	200-PO-1	216-B-3_PW-3	RCRA/ CERCLA	EER identified well in SGW-60591, 216-B-3_PW-3		Placeholder	Drill FY 2023 part of 20 well campaign
165	164	D0052	200-PO-1	216-B-3_PW-4	RCRA/ CERCLA	EER identified well in SGW-60591, 216-B-3_PW-4		Placeholder	Drill FY 2023 part of 20 well campaign
166	165	D0028	200-ZP-1	LLBG-4 WMA-4_PW1	RCRA/ CERCLA	EER identified well in SGW-60584 LLBG-4 WMA-4_PW1		Placeholder	Drill FY 2023 part of 20 well campaign
167	166	D0029	200-ZP-1	LLBG-4 WMA-4_PW2	RCRA/ CERCLA	EER identified well in SGW-60584 LLBG-4 WMA-4_PW2		Placeholder	Drill FY 2023 part of 20 well campaign
168	167	D0030	200-ZP-1	LLBG-4 WMA-4_PW3	RCRA/ CERCLA	EER identified well in SGW-60584 LLBG-4 WMA-4_PW3		Placeholder	Drill FY 2023 part of 20 well campaign
169	168	D0031	200-ZP-1	LLBG-4 WMA-4_PW4	RCRA/ CERCLA	EER identified well in SGW-60584, LLBG-4 WMA-4_PW4		Placeholder	Drill FY 2023 part of 20 well campaign
170	169	D0032	200-ZP-1	LLBG-4 WMA-4_PW5	RCRA/ CERCLA	EER identified well in SGW-60584 LLBG-4 WMA-4_PW5		Placeholder	Drill FY 2023 part of 20 well campaign
171	170	D0033	200-ZP-1	LLBG-4 WMA-4_PW6	RCRA/ CERCLA	EER identified well in SGW-60584 LLBG-4 WMA-4_PW6		Placeholder	Drill FY 2023 part of 20 well campaign
172	171	D0022	200-ZP-1	LLBG-3 WMA-3_PW1	RCRA/ CERCLA	EER identified well in SGW-60583 LLBG WMA-3_PW1		Placeholder	Drill FY 2023 part of 20 well campaign
173	172	D0023	200-ZP-1	LLBG-3 WMA-3_PW2	RCRA/ CERCLA	EER identified well in SGW-60583 LLBG WMA-3_PW2		Placeholder	Drill FY 2023 part of 20 well campaign
174	173	TBD	100-BC-5	TBD	CERCLA	To support the anticipated ROD. These 10 proposed wells appear in the draft Proposed Plan to be finished Oct 1, 2018		Placeholder	
175	174	TBD	100-BC-5	TBD	CERCLA	To support the anticipated ROD. These 10 proposed wells appear in the draft Proposed Plan to be finished Oct 1, 2018		Placeholder	
176	175	TBD	100-BC-5	TBD	CERCLA	To support the anticipated ROD. These 10 proposed wells appear in the draft Proposed Plan to be finished Oct 1, 2018		Placeholder	
177	176	TBD	100-BC-5	TBD	CERCLA	To support the anticipated ROD. These 10 proposed wells appear in the draft Proposed Plan to be finished Oct 1, 2018		Placeholder	
178	177	TBD	100-BC-5	TBD	CERCLA	To support the anticipated ROD. These additional proposed wells appear in the draft Proposed Plan to be finished Oct 1, 2018		Placeholder	

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1	TEMP 2019 #S	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year	
179	178	TBD	100-BC-5	TBD	CERCLA	To support the anticipated ROD. These additional proposed wells appear in the draft Proposed Plan to be finished Oct 1, 2018		Placeholder	
180	179	TBD	100-KR-4	TBD	CERCLA	Planning for one monitoring wells in each FY Pump and Treat Optimization Plan		Placeholder	
181	180	TBD	100-KR-4	TBD	CERCLA	Planning for one monitoring wells in each FY Pump and Treat Optimization Plan		Placeholder	
182	181	TBD	100-KR-4	TBD	CERCLA	Characterize the vertical extent of contamination remaining in the vadose zone beneath the 116-KW-1 Gas Condensate Crib.		Placeholder	
183	182	TBD	200-ZP-1	TBD	CERCLA	P&T monitoring well #9 (MW9A) in the Performance Monitoring Plan DOE/RL-2009-115 Rev. 3		Placeholder	
184	183	TBD	200-ZP-1	TBD	CERCLA	P&T monitoring well #10 (MW10A) in the Performance Monitoring Plan DOE/RL-2009-115 Rev. 3		Placeholder	
185	184	TBD	200-ZP-1	TBD	CERCLA	P&T monitoring well #11 (PMP Wells)		Placeholder	
186	185	TBD	200-ZP-1	TBD	CERCLA	P&T monitoring well #12 (PMP wells)		Placeholder	
187	186	D0077	100-FR-3	TBD	CERCLA	Maintain adequate monitoring network.		Placeholder	
188	187	TBD	100-HR-3	TBD	CERCLA	Monitoring Well - Planning for two monitoring wells in each FY Pump and Treat Optimization Plan 2022		Placeholder	
189	188	TBD	100-HR-3	TBD	CERCLA	Monitoring Well - Planning for two monitoring wells in each FY Pump and Treat Optimization Plan 2022		Placeholder	
190	189	TBD	200-PO-1	TBD	AEA/CERCLA	219-A-19 Crib received 1.1 M liters of PUREX depleted uranium cold startup waste. No groundwater monitoring history. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with EA-1 OU and PO-1 OU. PUREX Area.		Placeholder	
191	190	TBD	200-PO-1	TBD	AEA/CERCLA	216-A-20 Crib received 1 B liters of PUREX depleted uranium cold startup waste and subsequently condenser contact cooling water. No groundwater monitoring history. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with EA-1 OU and PO-1 OU. PUREX Area.		Placeholder	
192	191	TBD	200-PO-1	TBD	AEA/CERCLA	216-A-21 Crib received 78 M liters of various PUREX mixed process wastes. No groundwater monitoring history. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with EA-1 OU and PO-1 OU		Placeholder	
193	192	TBD	200-PO-1	TBD	AEA/CERCLA	216-A-5 Crib received 1.6 B liters of acidic PUREX process condensate. Historical groundwater contamination confirmed by multiple constituents, including Sr-90, tritium. No groundwater monitoring since 1995. Integrate with EA-1 OU and PO-1 OU. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. PUREX Area.		Placeholder	
194	193	TBD	200-UP-1	TBD	AEA/CERCLA	216-S-6 Crib received 4.5 B liters of contaminated steam condensate and process cooling water from REDOX during upset conditions. No groundwater monitoring since 1969. All near field and down gradient wells decommissioned. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1 and UP-1 OUs.		Placeholder	
195	194	TBD	200-PO-1	TBD	AEA/CERCLA	216-A-18 trench received 0.5 M liters of depleted uranium PUREX cold startup waste. No groundwater monitoring history. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with EA-1 OU and PO-1 OU. PUREX Area		Placeholder	
196	195	D0024	200-ZP-1	LLBG-3 WMA-3_PW3	RCRA/ CERCLA	EER identified well in SGW-60583 LLBG WMA-3_PW3		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
197	196	D0025	200-ZP-1	LLBG-3 WMA-3_PW4	RCRA/ CERCLA	EER identified well in SGW-60583 LLBG WMA-3_PW4		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
198	197	D0026	200-ZP-1	LLBG-3 WMA-3_PW5	RCRA/ CERCLA	EER identified well in SGW-60583 LLBG WMA-3_PW5		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
199	198	D0027	200-ZP-1	LLBG-3 WMA-3_PW6	RCRA/ CERCLA	EER identified well in SGW-60583 LLBG WMA-3_PW6		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
200	199	D0059	200-BP-5	LLBGWMA-1_PW-1	RCRA/ CERCLA	EER identified well in SGW-60590, LLBG-1 LLBGWMA-1_PW-1		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
201	200	D0060	200-BP-5	LLBGWMA-1_PW-2	RCRA/ CERCLA	EER identified well in SGW-60590, LLBG-1 LLBGWMA-1_PW-2		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
202	201	D0061	200-BP-5	LLBGWMA-1_PW-3	RCRA/ CERCLA	EER identified well in SGW-60590, LLBG-1 LLBGWMA-1_PW-3		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
203	202	TBD	100-NR-2	TBD	CERCLA	Replacement of A4669 199-N-2 downgradient well for 1301-N Non-WAC compliant due to the original construction materials and seals used.		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
204	203	TBD	100-NR-2	TBD	CERCLA	Replacement of A4677 199-N-28 upgradient well for 1325-N Non-WAC compliant due to the original construction materials and seals used.		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
205	204	TBD	100-NR-2	TBD	CERCLA	Replacement of A4679 199-N-3 downgradient well for 1301-N Non-WAC compliant due to the original construction materials and seals used.		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
206	205	TBD	100-NR-2	TBD	CERCLA	Replacement of A4681 199-N-32 downgradient well for 1325-N Non-WAC compliant due to the original construction materials and seals used.		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
207	206	TBD	100-NR-2	TBD	CERCLA	Replacement of A4683 199-N-34 downgradient well for 1325-N Non-WAC compliant due to the original construction materials and seals used.		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
208	207	TBD	100-NR-2	TBD	CERCLA	Replacement of A4689 199-N-41 downgradient well for 1325-N Non-WAC compliant due to the original construction materials and seals used.		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
209	208	TBD	100-NR-2	TBD	CERCLA	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.		Placeholder	Drill FY 2024 last of EER and carbon steel replacement
210	209	TBD	100-BC-5	TBD	CERCLA	To support the anticipated ROD. These 10 proposed wells appear in the draft Proposed Plan to be finished Oct 1, 2018		Placeholder	
211	210	TBD	100-BC-5	TBD	CERCLA	To support the anticipated ROD. These 10 proposed wells appear in the draft Proposed Plan to be finished Oct 1, 2018		Placeholder	
212	211	TBD	100-BC-5	TBD	CERCLA	To support the anticipated ROD. These 10 proposed wells appear in the draft Proposed Plan to be finished Oct 1, 2018		Placeholder	
213	212	TBD	100-BC-5	TBD	CERCLA	To support the anticipated ROD. These 10 proposed wells appear in the draft Proposed Plan to be finished Oct 1, 2018		Placeholder	
214	213	D0078	100-FR-3	TBD	CERCLA	Maintain adequate monitoring network.		Placeholder	
215	214	TBD	100-KR-4	TBD	CERCLA	Planning for one monitoring wells in each FY Pump and Treat Optimization Plan		Placeholder	
216	215	TBD	100-KR-4	TBD	CERCLA	Planning for one monitoring wells in each FY Pump and Treat Optimization Plan		Placeholder	
217	216	TBD	100-KR-4	TBD	CERCLA	Planning for one monitoring wells in each FY Pump and Treat Optimization Plan		Placeholder	
218	217	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	
219	218	TBD	200-ZP-1	TBD	AEA/CERCLA	216-T-18, T-26, T-27, T-28 received a total of 62 M L of scavenged high-level waste and laboratory/decontamination wastes. Historical groundwater monitoring at T-28 confirmed groundwater contamination; no other sites monitored. No groundwater monitoring since 2000. Recommend 1 well immediately down gradient of T-28 Crib. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1, DV-1 and ZP-1 OUs.		Placeholder	
220	219	TBD	200-PO-1	TBD	AEA/CERCLA	216-A-2 received 0.25 M liters PUREX organic waste, No groundwater monitoring history. Neighboring 216-A-4 Crib did affect groundwater. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with EA-1 OU and PO-1 OU. PUREX		Placeholder	
221	220	TBD	100-FR-3	TBD	CERCLA	Maintain adequate monitoring network.		Placeholder	
222	221	TBD	200-ZP-1	TBD	AEA/CERCLA	216-T-14, T-15, T-16, T-17 Trenches received a total of 3.8 M liters of T Plant first cycle tank supernatant. No groundwater monitoring history in the vicinity. Recommend one new well between T-15 and T-16 All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1, DV-1, and ZP-1 OUs.		Placeholder	
223	222	TBD	200-ZP-1	TBD	AEA/CERCLA	216-T-14, T-15, T-16, T-17 Trenches received a total of 3.8 M liters of T Plant first cycle tank supernatant. No groundwater monitoring history in the vicinity. Recommend one new well down gradient of trenches. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1, DV-1, and ZP-1 OUs.		Placeholder	
224	223	TBD	200-ZP-1	TBD	AEA/CERCLA	216-T-18, T-26, T-27, T-28 received a total of 62 M L of scavenged high-level waste and laboratory/decontamination wastes. Historical groundwater monitoring at T-28 confirmed groundwater contamination; no other sites monitored. No groundwater monitoring since 2000. Recommend 1 well immediately down gradient of T-26 Crib. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1, and ZP-1 OUs.		Placeholder	

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1	TEMP 2019 #S	Well ID	OU or Area	Well Name	Facility and/or Program	Justification/Purpose/Location	Comment	Completion Calendar Year	
225	224	TBD	200-ZP-1	TBD	AEA/CERCLA	216-T-6 Cribs received 45 M liters of supernatant waste from 241-T-361 Settling Tank. No monitoring wells in the vicinity; no historical groundwater monitoring. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1 and ZP-1 OUs		Placeholder	
226	225	TBD	200-ZP-1	TBD	AEA/CERCLA	216-Z-1&2 Received 39 M liters of Z Plant process waste via the 241-Z-361 Settling Tank. No historical groundwater monitoring. Z-3 Crib received 178 M liters of Z Plant process waste via the 241-Z-361 Settling Tank. No historical groundwater monitoring. Recommend one well between Z-1/2 Cribs and Z-3 Crib. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1 and ZP-1 OUs.		Placeholder	
227	226	TBD	200-ZP-1	TBD	AEA/CERCLA	216-T-19 received 455 M liters of various liquid wastes, including evaporator condensate, T Plant cell drainage, and second-cycle supernatant from T tank farm. Historical groundwater monitoring indicates contamination of groundwater. No near-field groundwater monitoring since 1999. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Immediately downgradient. Integrate with WA-1, and ZP-1 OUs		Placeholder	
228	227	TBD	200-ZP-1	TBD	AEA/CERCLA	216-T-34 received 17.3 M liters of laboratory waste from the 340 facility in 300 Area. Historical groundwater monitoring confirmed groundwater contamination. No wells remain in service near this site. No groundwater monitoring since 1977. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1, and ZP-1 OUs.		Placeholder	
229	228	TBD	200-ZP-1	TBD	AEA/CERCLA	241-Z Building contained mixed waste handling and processing tanks prior to discharge to 241-Z-361 Settling Tank. No throughput volume is documented. No historical groundwater monitoring is associated with the facility. 241-Z-361 Settling Tank contains plutonium-contaminated sludge (estimated 35 to 70 kg plutonium). Recommend one new monitoring well adjacent to 241-Z-361 Settling Tank. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1 and ZP-1 OUs.		Placeholder	
230	229	TBD	200-ZP-1	TBD	AEA/CERCLA	216-T-8 received 0.5 M liters laboratory waste from 222-T. No historical groundwater monitoring. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate		Placeholder	
231	230	TBD	200-ZP-1	TBD	AEA/CERCLA	216-Z-18 Crib received 3.9 M liters of mixed aqueous and organic waste from 236-Z facility. No historical groundwater monitoring history in vicinity. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1 and ZP-1 OUs.		Placeholder	
232	231	TBD	200-ZP-1	TBD	AEA/CERCLA	216-Z-21 received an unspecified volume of waste water from various sources at Z Plant. No nearby historical groundwater monitoring. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with ZP-1 OU.		Placeholder	
233	232	TBD	200-ZP-1	TBD	AEA/CERCLA	216-Z-4, Z-6, Z-17 received a total of 37 M liters of liquid waste from 231-Z Building. No historical groundwater monitoring in the vicinity. Recommend one new well west of the head end of Z-17 ditch between Z-4 and Z-6 Cribs. All AEA wells focus on monitoring possible continuing sources of groundwater contamination. Integrate with WA-1 and ZP-1 OU.		Placeholder	
234	233	TBD	200-BP-5	TBD	CERCLA	integration well with EA-1 at 216-B-55 crib. B Plant		Placeholder	
235	234	TBD	200-BP-5	TBD	CERCLA	integration well with EA-1 at 216-B-62 crib. B Plant		Placeholder	
236	235	TBD	100-NR-2	TBD	CERCLA	Implements biosparging for TPH		Placeholder	
237	236	TBD	100-NR-2	TBD	CERCLA	Implements biosparging for TPH		Placeholder	
238	237	TBD	100-NR-2	TBD	CERCLA	Implements biosparging for TPH		Placeholder	
239	238	TBD	100-NR-2	TBD	CERCLA	Implements biosparging for TPH		Placeholder	
240	239	TBD	100-NR-2	TBD	CERCLA	Implements biosparging for TPH		Placeholder	
241	240	TBD	200-ZP-1	SALDS 1	CERCLA	SALDS 1		Placeholder	
242	241	TBD	200-ZP-1	SALDS 2	CERCLA	SALDS 2		Placeholder	
243	242	TBD	200-ZP-1	SALDS 3	CERCLA	SALDS 3		Placeholder	
244	243	TBD	200-ZP-1	SALDS 4	CERCLA	SALDS 4		Placeholder	
245	244	C9966	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
246	245	C9967	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
247	246	TBD	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
248	247	TBD	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
249	248	TBD	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
250	249	TBD	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
251	250	TBD	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
252	251	TBD	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
253	252	TBD	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
254	253	TBD	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
255	254	TBD	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
256	255	TBD	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
257	256	TBD	200-PO-1	TBD	CERCLA	200-PO-1 Post-ROD monitoring well		Placeholder	
258	257	TBD	200-PO-1	TBD	CERCLA	For acquiring actual data were control points are currently being used to maintain continuity of the regional 200-PO-1 far-field I-129 plume.		Placeholder	
259	258	TBD	200-PO-1	TBD	CERCLA	NRDWL 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-permeability 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 be screened where the highest levels of contaminants are detected (above MDLs).		Placeholder	
260	259	TBD	200-PO-1	TBD	CERCLA	NRDWL 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-permeability 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 be screened where the highest levels of contaminants are detected (above MDLs).		Placeholder	
261	260	TBD	200-PO-1	TBD	CERCLA	SWL 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-permeability 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 be screened where the highest levels of contaminants are detected (above MDLs).		Placeholder	
262	261	TBD	200-PO-1	TBD	CERCLA	SWL 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-permeability 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 be screened where the highest levels of contaminants are detected (above MDLs).		Placeholder	
263	262	TBD	200-PO-1	TBD	CERCLA	216-B-14 WA-1 Multi-Purpose		Placeholder	
264	263	TBD	200-PO-1	TBD	CERCLA	216-B-14 WA-1 Multi-Purpose		Placeholder	
265	264	TBD	200-PO-1	TBD	CERCLA	216-B-14 WA-1 Multi-Purpose		Placeholder	
266	265	TBD	200-PO-1	TBD	CERCLA	216-B-14 WA-1 Multi-Purpose		Placeholder	
267	266	TBD	200-BP-5	TBD	CERCLA	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. BP-5 Groundwater SAP (DOE/RL-2014-33) and is used to define the extent of iodine-129 in the B Pond area		Placeholder	
268	267	TBD	200-PO-1	TBD	WAC/CERCLA	Replacement well for A5089 (699-24-33) 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 (deep well), not for statistical comparison. Future well use and need for replacement needs further evaluation. SWL		Placeholder	
269	268	TBD	200-ZP-1	TBD	CERCLA	Replacement well for A5214 (699-48-71) SALDS This well is important for tracking contamination to the northeast under CERCLA.		Placeholder	
270	269	TBD	200-ZP-1	TBD	CERCLA	Replacement well for 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	
271	270	TBD	200-ZP-1	TBD	CERCLA	Replacement well for A5232 (699-51-75) SALDS This well is important for tracking contamination to the northwest under CERCLA.		Placeholder	

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272	271	TBD	200-ZP-1	TBD	CERCLA	Replacement well for 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. This well being sampled. May need to replace.		Placeholder	
273	272	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	
274	273	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. 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	
275	274	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. 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	