

<b>Change Number</b> M-24-14-01	<b>Federal Facility Agreement and Consent Order  Change Control Form</b> <small>Do not use blue ink. Type or print using black ink.</small>	<b>Date</b> July 24, 2014																																										
<b>Originator</b> K. M. Thompson		<b>Phone</b> (509) 373-0750																																										
<b>Class of Change</b> <input type="checkbox"/> I - Signatories <input checked="" type="checkbox"/> II - Executive Manager <input type="checkbox"/> III - Project Manager																																												
<b>Change Title</b> Groundwater Protection, Monitoring and Remediation Well Installation Priority List Update Through CY 2017, including a new TPA Interim Milestone.																																												
<b>Description/Justification of Change</b> <p><i>A 5</i></p> This change package completes the 2014 Hanford Federal Facility Agreement and Consent Order (TPA) Target Date M-024-67-T01 requirement to conclude discussions of groundwater monitoring well commitments initiated under M-024-58 by August 1, 2014, and to recommend new well installations needed to maintain a three-year rolling prioritized schedule consistent with the sitewide cleanup priorities. The schedule resolves competing resource demands, including injection/extraction wells, and reflects current budget planning. 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-024-68 for completion of CY 2017 well installations. <p><i>Continued on page 2</i></p>																																												
<b>Impact of Change</b> This change provides for continued installation of new groundwater protection, monitoring, and remediation wells.																																												
<b>Affected Documents</b> The Hanford Federal Facility Agreement and Consent Order, as amended, and Hanford Site internal planning management, and budget documents (e.g., USDOE and USDOE contractor Baseline Change Control documents; Multi-Year Work Plan; Sitewide Systems Engineering Control Documents; Project Management Plan, RI/FS documents, RCRA TSD monitoring plans and, if appropriate, LDR Report requirements).																																												
<b>Approvals</b> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">SL Charboneau</td> <td style="width: 20%;"><i>Hay Charboneau</i></td> <td style="width: 10%;">7/29/14</td> <td style="width: 10%;"><input checked="" type="checkbox"/></td> <td style="width: 10%;">Approved</td> <td style="width: 10%;"><input type="checkbox"/></td> <td>Disapproved</td> </tr> <tr> <td>DOE</td> <td><i>[Signature]</i></td> <td>7/30/14</td> <td><input checked="" type="checkbox"/></td> <td>Approved</td> <td><input type="checkbox"/></td> <td>Disapproved</td> </tr> <tr> <td>DA Faulk</td> <td><i>[Signature]</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>EPA</td> <td><i>[Signature]</i></td> <td>7/30/14</td> <td><input checked="" type="checkbox"/></td> <td>Approved</td> <td><input type="checkbox"/></td> <td>Disapproved</td> </tr> <tr> <td>JA Hedges</td> <td><i>[Signature]</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Ecology</td> <td><i>[Signature]</i></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			SL Charboneau	<i>Hay Charboneau</i>	7/29/14	<input checked="" type="checkbox"/>	Approved	<input type="checkbox"/>	Disapproved	DOE	<i>[Signature]</i>	7/30/14	<input checked="" type="checkbox"/>	Approved	<input type="checkbox"/>	Disapproved	DA Faulk	<i>[Signature]</i>						EPA	<i>[Signature]</i>	7/30/14	<input checked="" type="checkbox"/>	Approved	<input type="checkbox"/>	Disapproved	JA Hedges	<i>[Signature]</i>						Ecology	<i>[Signature]</i>					
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**Description/Justification of Change**

*Continued from page 1*

The Parties agree that when a monitoring well is drilled and subsequently is 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 2015 and CY 2016, as well as provides the list of wells for CY 2017. Monitoring wells identified to be drilled/constructed in the years CY 2015 through CY 2017 are identified in the attached table. The attached table also shows additional wells tentatively planned for later years.

Changes to Interim Milestones and Target Dates are displayed by double-underline to indicate addition of text and by ~~strikeout~~ to indicate deletion of text.

<u>M-024-68</u> <u>Lead agency:</u> <u>Ecology</u>	<u>DOE shall complete the construction of all wells listed for calendar year 2017 and before, as identified in Attachment 1 of TPA change package M-024-14-01.</u>  <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>  <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 workplans. Additional work or modification to work shall be in accordance with the provisions of Article XXX of the Agreement.</u>	<u>12/31/2017</u>
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#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
1	C8240	RCRA	299-W22-95	RCRA - FY 2013	200-UP-1 SST S-SX, RCRA	Downgradient existing RCRA monitoring well 299-W22-26 is dry (FY 2013). It is located on the east side of the 216-S-9 Crib downgradient from the S Tank Farm. This monitoring point is being relocated to the north side of the 216-S-9 Crib in anticipation that the groundwater flow direction will change from east to east-northeast in response to the 200-ZP-1 P&T activities.	Accepted 11/5/2013	CY 2015 M-24 Well
2	C8203	RCRA	299-W22-94	RCRA - FY 2013	200-UP-1 SST S-SX RCRA	Existing RCRA monitoring well 299-W22-48 dry. This well is on the south boundary of the plume from the S Tank Farm and has low concentrations of technetium-99, nitrate, and chromium.	Accepted 11/5/2013	CY 2015 M-24 Well
3	C8778	100-BC-5	199-B4-18	100-BC-5	100-BC-5 Partner with 199-B4-7	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/4/2014	CY 2015 M-24 Well
4	C8779	100-BC-5	199-B5-9	100-BC-5	100-BC-5 Northeast of 100-C-7:1 (near site)	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/4/2014	CY 2015 M-24 Well
5	C8783	100-BC-5	199-B5-13	100-BC-5	100-BC-5 Partner with 199-B5-1	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/4/2014	CY 2015 M-24 Well
6	C8784	100-BC-5	199-B5-14	100-BC-5	100-BC-5 West of central	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/4/2014	CY 2015 M-24 Well
7	C8776	100-BC-5	199-B4-16	100-BC-5	100-BC-5 East of central	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/19/2014	CY 2015 M-24 Well
8	C8780	100-BC-5	199-B5-10	100-BC-5	100-BC-5 Northeast of 100-C-7:1 (near site)	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/19/2014	CY 2015 M-24 Well
9	C8781	100-BC-5	199-B5-11	100-BC-5	100-BC-5 Northeast of 100-C-7 (mid-distance)	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/19/2014	CY 2015 M-24 Well
10	C8782	100-BC-5	199-B5-12	100-BC-5	100-BC-5 Northeast of 100-C-7 (mid-distance)	Addition to well monitoring network as specified in revised 100-BC-1, 100-BC-2 and 100-BC-5 RI/FS Work Plan / SAP	Accepted 2/19/2014	CY 2015 M-24 Well
11	C8772	200-PO-1	699-24-36	200-PO-1	200-PO-1 RCRA	NRDWL/SWL upgradient monitoring wells	Accepted 3/27/2014	CY 2015 M-24 Well

#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
12	C8200	200-PO-1	699-25-34E	200-PO-1	200-PO-1 RCRA	NRDWL/SWL monitoring well	Accepted 3/27/2014	CY 2015 M-24 Well
13	C8774	200-PO-1	699-26-38	200-PO-1	200-PO-1 RCRA	NRDWL/SWL monitoring well	Accepted 3/27/2014	CY 2015 M-24 Well
14	C8289	100-KR-4	199-K-202	100-KR-4	100-KR-4	There are no remaining monitoring wells within the extreme concentration Sr-90 plume downgradient of the former 105-KE fuel storage basin. Well 199-K-141 has exhibited rapidly-increasing Sr-90 concentration since starting extraction at that location. This plume is unmonitored and migration of Sr-90 poses a risk to continued successful operation of the 100-KX P&T system	Accepted 4/7/2014	CY 2015 M-24 Well
15	C8916	200-BP-5	699-46-91	Modutank #1	200-BP-5 RCRA	Modutank Monitoring Wells Upgradient Modutank monitoring well.	Accepted 5/6/2014	CY 2015 M-24 Well
16	C8925	200-UP-1	299-W18-260	200-UP-1	200-UP-1 WMA U RCRA	Existing RCRA monitoring well 299-W18-30 is forecast to become dry anytime (FY 2013). It is the northernmost well in the monitoring network. This will become an important monitoring location in the future because the groundwater flow direction at WMA U is expected to change from east to northeast in response to the 200-ZP-1 P&T activities		CY 2015 M-24 Well
17	C8922	200-PO-1	299-E25-237	200-PO-1	200-PO-1 RCRA	Replace decommissioned RCRA well 299-E25-236. Characterize nature of perch horizon, which is associated with accelerated casing corrosion at three nearby wells.		CY 2015 M-24 Well
18	C8923	200-BP-5	299-E33-360	200-BP-5	200-BP-5 RCRA	Replacement well for non-WAC compliant well 299-E33-18, decommissioned FY 2013 Permit conditions for WMA B/BX/BY. To be completed as an 8 inch well.		CY 2015 M-24 Well
19	C8924	200-BP-5	299-E33-361	200-BP-5	200-BP-5 RCRA/CERCLA	SW Downgradient well for WMA B/BX/BY Nearfield well southeast of WMA B/BX/BY between well 299-E33-37 and the 207-B Retention Basin at top of aquifer		CY 2015 M-24 Well
20	C8926	200-UP-1	299-W19-112	200-UP-1	WMA U RCRA	SST S-SX monitoring well east of SX Farm Replacement well 299-W19-12, not RCRA/WAC compliant		CY 2015 M-24 Well

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21	C8290	100-KR-4	199-K-203	100-KR-4	100-KR-4 approx 70 m North toward river of former well 199-K-29 CERCLA	There are no remaining monitoring wells within the extreme concentration C-14 plume downgradient of the former 116-KE-1 Gas Dryer Condensate Crib Well 199-K-141 has exhibited increasing C-14 concentration since starting extraction at that location. This plume is unmonitored; migration of C-14 and potential interception of the plume by extraction wells poses a risk to continued successful operation of the 100-KX P&T system.	FY 2014 buyback funding	CY 2015 M-24 Well
22	C8291	100-KR-4	199-K-204	100-KR-4	100-KR-4 CERCLA	There are no monitoring wells in this area that transport estimates indicate contains the highest estimated C-14 concentration plume at 100-K. Migration of C-14 toward the river and potential interception of the plume by extraction wells poses a risk to continued successful operation of the 100-KW P&T system.	FY 2014 buyback funding	CY 2015 M-24 Well
23	C8294	100-KR-4	199-K-207	100-KR-4	100-KR-4 CERCLA	High residual vadose zone contamination by tritium was observed at the completion of soil RTD at the burial ground in the vicinity. No monitoring wells currently provide observation of potential ongoing contributions to groundwater contamination. Groundwater monitoring and vadose zone release detection.	FY 2014 buyback funding	CY 2015 M-24 Well
24	C8296	100-KR-4	199-K-209	100-KR-4	100-KR-4 CERCLA	Unmonitored area between inland monitoring wells that exhibit hexavalent chromium Midway between existing wells 199-K-194 and 699-77-54	FY 2014 buyback funding	CY 2015 M-24 Well
25	TBD	100-NR-2	TBD	100-NR-2	CERCLA	NR-2-Compliance Issue between the Reactor and the River (replacement near 199-N-22): 571118 E, 149582 N		CY 2015 M-24 Well
26	TBD	100-NR-2	TBD	100-NR-2	CERCLA	NR-2-Compliance Issue between the Reactor and the River (replacement near 199-N-24): 571073 E, 149520 N		CY 2015 M-24 Well
27	TBD	100-NR-2	TBD	100-NR-2	CERCLA	NR-2 CERCLA data gap for final remedy between Reactor and River: 571930 E, 149932 N		CY 2015 M-24 Well
28	TBD	100-NR-2	TBD	100-NR-2	CERCLA	NR-2 CERCLA data gap for final remedy between Reactor and River: 571725 E, 149830 N		CY 2015 M-24 Well

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29	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 NRDWL RCRA	Farfield downgradient monitoring wells proposed located in a slanted line on the east side of NRDWL. Replacement for well 26-33, coordinates of 579710 E, 131282 N		CY 2015 M-24 Well
30	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 NRDWL RCRA	Farfield downgradient monitoring wells proposed located in a slanted line on the east side of NRDWL. Replacement for well 25-34A, coordinates of 579694 E, 131229 N		CY 2015 M-24 Well
31	C8202	200-UP-1	299-W22-93	200-UP-1	200-UP-1 WMA S-SX RCRA	Existing RCRA monitoring well 299-W22-44 is forecast to become sample dry during 2013. It is within the plume from the S Tank Farm and is the nearest downgradient well from the source (tank S-104). It is also adjacent to extraction well 299-W22-90, so 299-W22-44 (or its replacement) will also be used as a remedy performance well. The replacement well, 299-W22-93, is already staked in the field. Well 299-W22-44 is listed for quarterly sampling in DOE/RL-2009-73. A SAP has been prepared that specifies the samples to be collected during drilling (DOE/RL-2010-130).		CY 2016 M-24 Well
32	TBD	200-UP-1	TBD	200-UP-1	WMA S-SX RCRA	SST S-SX monitoring well east of SX Farm Replacement well 299-W22-50 going dry FY 2014		CY 2016 M-24 Well
33	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 CERCLA	NE Downgradient well for WMA B/BX/BY Nearfield well southeast of WMA B/BX/BY between well 299-E33-37 and the 207-B Retention Basin at top of aquifer		CY 2016 M-24 Well
34	C8797	100-KR-4	199-K-222	100-KR-4 #1	100-KR-4	Monitor potential release of Sr-90 from other fission products from vadose zone beneath UPR-100-K-1, Adjacent to north side of 105-KE	drilling not included in FY 2014 funding	CY 2016 M-24 Well
35	C8796	100-KR-4	199-K-221	100-KR-4 #2	100-KR-4	Monitor potential release of Sr-90 from vadose zone beneath 116-KE-3 Crib/Reverse Well	drilling not included in FY 2014 funding	CY 2016 M-24 Well
36	C8730	100-HR-3	199-D5-150	100-HR-3	100-HR-3 - WCH #1	WCH replacement monitoring wells 100-D-100 along NE upgradient edge - replacing 199-D5-144	Funded as Work for Others	CY 2016 M-24 Well

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37	C8731	100-HR-3	199-D5-151	100-HR-3	100-HR-3 - WCH #2	WCH replacement monitoring wells - N side of the 100-D-100 - replacing 199-D5-99	Funded as Work for Others	CY 2016 M-24 Well
38	C8732	100-HR-3	199-D5-152	100-HR-3	100-HR-3 - WCH #3	WCH replacement monitoring wells E side of 100-D-100 former hotspot - replacing 199-D5-122	Funded as Work for Others	CY 2016 M-24 Well
39	C8733	100-HR-3	199-H4-87	100-HR-3	100-HR-3 - WCH #4	WCH replacement monitoring wells - replacing 199-H4-48	Funded as Work for Others	CY 2016 M-24 Well Increment
40	C8734	100-HR-3	199-H4-88	100-HR-3	100-HR-3 - WCH #5	WCH replacement monitoring wells - replacing 199-H4-7	Funded as Work for Others	CY 2016 M-24 Well Increment
41	C8735	100-HR-3	199-H4-89	100-HR-3	100-HR-3 - WCH #6	WCH replacement monitoring wells - replacing 199-H4-9	Funded as Work for Others	CY 2016 M-24 Well Increment
42	C8729	100-HR-3	199-D5-149	100-HR-3	100-HR-3 - WCH #7	WCH replacement monitoring wells - area S of 183-D clearwells to provide downgradient monitoring of the N portion of 100-D-100 - replacing 199-D5-120	Funded as Work for Others	CY 2016 M-24 Well Increment
43	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 Farfield Well WMA B/BX/BY CERCLA	NE Three additional farfield wells are recommended between well 299-E27-19 and 299-E28-5.		CY 2016 M-24 Well
44	TBD	200-BP-5	TBD	200-BP-5	Nearfield well southeast 216-B-12 Crib CERCLA	Nearfield wells are recommended southeast, east and northeast of the 216-B-12 Crib. The recommend depth is between 22 to 32 feet within the aquifer. The purpose to monitor the extent of nitrate, tritium, and uranium contamination found during BP-5 RI drilling and sampling at this depth.		CY 2016 M-24 Well
45	TBD	200-BP-5	TBD	200-BP-5	Nearfield well south of 216-B-6 Injection Well CERCLA	Nearfield wells are recommended southwest and south of the 216-B-6 Injection Well. The recommend depth is between at the bottom of the aquifer. The purpose to monitor the extent of nitrate and tritium contamination found during BP-5 RI drilling and sampling at this depth.		CY 2016 M-24 Well
46	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 CERCLA	Center Downgradient well for WMA B/BX/BY Nearfield well southeast of WMA B/BX/BY between well 299-E33-37 and the 207-B Retention Basin at top of aquifer		CY 2016 M-24 Well

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47	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 Farfield Well WMA B/BX/BY CERCLA	C Three additional farfield wells are recommended between well 299-E27-19 and 299- E28-5.		CY 2016 M-24 Well
48	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 SWL RCRA	Farfield monitoring wells proposed located in a slanted line on the east side of Solid Waste Landfill.		CY 2016 M-24 Well
49	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 SWL RCRA	Farfield monitoring wells proposed located in a slanted line on the east side of Solid Waste Landfill.		CY 2016 M-24 Well
50	C8736	100-HR-3	199-D3-6	100-HR-3	100-HR-3 CERCLA	Delineation of Cr(VI) plume , South Flank - DH- 06		CY 2016 M-24 Well
51	C8793	100-HR-3	699-97-60	100-HR-3	100-HR-3 CERCLA	Delineation of Cr(VI) plume within the RUM - in the HORN by 199-D3-5 - DH-08, downgradient 699-97-48C		CY 2016 M-24 Well
52	C8794	100-HR-3	699-97-61	100-HR-3	100-HR-3 CERCLA	Delineation of Cr(VI) pume within the RUM - in the HORN - DH-09, upgradient 699-97-48C		CY 2016 M-24 Well
53	C8298	100-KR-4	199-K-211	100-KR-4	100-KR-4 CERCLA	Riverward of 199-K-210. Previously-identified RPO well. Improve hexavalent chromium plume depiction in this vicinity		CY 2016 M-24 Well
54	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #1		CY 2016 M-24 Well
55	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #2		CY 2016 M-24 Well
56	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #3		CY 2016 M-24 Well
57	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #4		CY 2016 M-24 Well
58	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #5		CY 2016 M-24 Well
59	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #6		CY 2016 M-24 Well
60	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #7		CY 2016 M-24 Well
61	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #8		CY 2017 M-24 Well
62	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #9		CY 2017 M-24 Well

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63	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #10		CY 2017 M-24 Well
64	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement well for non-WAC compliant well 299-E27-7. Permit conditions for WMA C.		CY 2017 M-24 Well
65	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 WMA S-SX RCRA	Replacement for 299-W22-45. Forecast to go dry in FY 2015/2016		CY 2017 M-24 Well
66	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 WMA S-SX RCRA	Replacement for 299-W23-15. Forecast to go dry in FY 2016/2017		CY 2017 M-24 Well
67	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 WMA S-SX RCRA	SST S-SX monitoring well east of SX Farm Replacement well 299-W22-49 going dry FY 2015/2016		CY 2017 M-24 Well
68	TBD	100-NR-2	TBD	100-NR-2	Upgradient well for 1301-N RCRA	Replacement of A4720 199-N-57 Slowly going dry		CY 2017 M-24 Well
69	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	200-ZP-1 RCRA Monitoring Well #1		CY 2017 M-24 Well
70	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	200-ZP-1 RCRA Monitoring Well #2		CY 2017 M-24 Well
71	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #1		CY 2017 M-24 Well
72	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #2		CY 2017 M-24 Well
73	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #11		CY 2017 M-24 Well
74	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #12		CY 2017 M-24 Well
75	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #13		CY 2017 M-24 Well
76	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #14		CY 2017 M-24 Well
77	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #15		CY 2017 M-24 Well
78	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #16		CY 2017 M-24 Well
79	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #17		CY 2017 M-24 Well

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80	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #18		CY 2017 M-24 Well
81	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #19		CY 2017 M-24 Well
82	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #20		CY 2017 M-24 Well
83	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #21		CY 2017 M-24 Well
84	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #22		CY 2017 M-24 Well
85	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #23		CY 2017 M-24 Well
86	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #24		CY 2017 M-24 Well
87	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #25		CY 2017 M-24 Well
88	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	UP-1 RDRA Work Plan Monitoring Well #26		CY 2017 M-24 Well
89	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	200-ZP-1 RCRA Monitoring Well #3		CY 2017 M-24 Well
90	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #3		CY 2017 M-24 Well
91	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #4		CY 2018 M-24 Well
92	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #5		CY 2018 M-24 Well
93	TBD	200-ZP-1	TBD	200-ZP-1	RCRA	T farm area downgradient - RCRA monitoring plan		CY 2018 M-24 Well
94	TBD	200-ZP-1	TBD	200-ZP-1	RCRA	T farm area downgradient - RCRA monitoring plan		CY 2018 M-24 Well
95	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 CERCLA	Within footprint of former 116-KE-1 Gas Condensate Crib - potential high risk drilling		CY 2018 M-24 Well
96	TBD	100-KR-4	TBD	100-KR-4	100-KR-4 CERCLA	Within footprint of former 116-KW-1 Gas Condensate Crib - potential high risk drilling		CY 2018 M-24 Well

#	Well ID	OU/ Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
97	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #6		CY 2018 M-24 Well
98	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #7		CY 2018 M-24 Well
99	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #8		CY 2018 M-24 Well
100	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #9		CY 2018 M-24 Well
101	TBD	RCRA	TBD	RCRA	RCRA	IDF monitoring well - downgradient Plan at least two years prior to IDF operations		CY 2018 M-24 Well
102	TBD	RCRA	TBD	RCRA	RCRA	IDF monitoring well - downgradient Plan at least two years prior to IDF operations		CY 2018 M-24 Well
103	TBD	RCRA	TBD	RCRA	RCRA	IDF monitoring well - upgradient Plan at least two years prior to IDF operations		CY 2018 M-24 Well
104	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #10		CY 2018 M-24 Well
105	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #11		CY 2018 M-24 Well
106	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 CERCLA	200-ZP-1 CERCLA Monitoring Well #12		CY 2018 M-24 Well
107	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	LLWMA-2 monitoring well - downgradient, location TBD Contingent on results of geophysical investigations and Permit Conditions - current identified in DOE/RL 2009-76 - Green Island Wells - Need a revised monitoring plan.		CY 2018 M-24 Well
108	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	LLWMA-2 monitoring well - downgradient location TBD Contingent on results of geophysical investigations and Permit Conditions - current identified in DOE/RL 2009-76 - Green Island Wells Need a revised monitoring plan.		CY 2018 M-24 Well
109	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	LLWMA-2 monitoring well - East of Trench 94 - Upgradient Contingent on results of geophysical investigations Need a revised monitoring plan.		CY 2018 M-24 Well
110	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	LLWMA-4 Monitoring well - west side - upgradient There is no upgradient well; contingent on future monitoring requirements Need a revised monitoring plan.		CY 2018 M-24 Well

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111	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	LLWMA-3 Monitoring well - East of Mixed - Waste Trenches 31 and 34 - Downgradient Complete compliant-point monitoring network for permit conditions Need a revised monitoring plan.		CY 2018 M-24 Well
112	TBD	200-BP-5	TBD	Modutank #2	200-BP-5 CERCLA	Modutank Monitoring Wells Downgradient Modutank monitoring well. Based on DOE/RL-2009-39, if the modular storage unit will be used after 8/5/2014 or if there is evidence of leakage from the modular storage units to the environment, RL will implement groundwater monitoring. WAC 173-303-645 states the department will specify in the facility permit the points of compliance. Based on 40 CFR 265.91 it is assumed one upgradient and three downgradient wells will be required if modutanks continue to operate beyond 8/5/2014.		CY 2018 M-24 Well
113	TBD	200-BP-5	TBD	Modutank #3	200-BP-5 CERCLA	Modutank Monitoring Wells Downgradient Modutank monitoring well. Based on DOE/RL-2009-39, if the modular storage unit will be used after 8/5/2014 or if there is evidence of leakage from the modular storage units to the environment, RL will implement groundwater monitoring. WAC 173-303-645 states the department will specify in the facility permit the points of compliance. Based on 40 CFR 265.91 it is assumed one upgradient and three downgradient wells will be required if modutanks continue to operate beyond 8/5/2014.		CY 2018 M-24 Well
114	TBD	200-BP-5	TBD	Modutank #4	200-BP-5 CERCLA	Modutank Monitoring Wells Downgradient Modutank monitoring well. Based on DOE/RL-2009-39, if the modular storage unit will be used after 8/5/2014 or if there is evidence of leakage from the modular storage units to the environment, RL will implement groundwater monitoring. WAC 173-303-645 states the department will specify in the facility permit the points of compliance. Based on 40 CFR 265.91 it is assumed one upgradient and three downgradient wells will be required if modutanks continue to operate beyond 8/5/2014.		CY 2018 M-24 Well

#	Well ID	OU / Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
115	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4669 199-N-2 WMA-S-SX 116-N-1 RCRA		CY 2018 M-24 Well
116	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4679 199-N-3 116-N-1 116-N-1 RCRA		CY 2018 M-24 Well
117	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4683 199-N-34 116-N-3 116-N-1 RCRA		CY 2018 M-24 Well
118	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4677 199-N-28 WMA-C 116-N-3 RCRA		CY 2018 M-24 Well
119	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4681 199-N-32 116-N-3 116-N-3 RCRA		CY 2018 M-24 Well
120	TBD	100-NR-2	TBD	100-NR-2	Downgradient well RCRA	Replacement of A4689 199-N-41 WMA-U 116-N-3 RCRA		CY 2018 M-24 Well
121	122	100-KR-4	TBD	100-KR-4	100-KR-4 AEA	Replacement of A4643 199-K-11 WMA-B-BX-BY KE Basins		
122	123	100-KR-4	TBD	100-KR-4	100-KR-4 AEA	Replacement of A4644 199-K-13 WMA-T KE Basins		
123	123	100-KR-4	TBD	100-KR-4	100-KR-4 AEA	Replacement of A4652 199-K-23 WMA-B-BX-BY KE Basins		
124	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4816 299-E27-7 KE Basins WMA-C RCRA		
125	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4842 299-E33-15 KE Basins WMA-B-BX-BY RCRA		
126	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4843 299-E33-17 WMA-B-BX-BY WMA-B-BX-BY RCRA		
127	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4847 299-E33-20 KE Basins WMA-B-BX-BY RCRA		
128	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4848 299-E33-21 WMA-B-BX-BY WMA-B-BX-BY RCRA		
129	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4850 299-E33-26 116-N-1 WMA-B-BX-BY RCRA		
130	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A4873 299-E33-9 SALDS WMA-B-BX-BY RCRA		
131	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A6788 299-E28-8 SALDS WMA-B-BX-BY RCRA		
132	TBD	200-BP-5	TBD	200-BP-5	200-BP-5 RCRA	Replacement of A6855 299-E33-16 WMA-B-BX-BY WMA-B-BX-BY RCRA		

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133	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4765 299-E25-19 216-A-37-1 216-A-37-1 RCRA		
134	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4766 299-E25-2 WMA-T WMA-A-AX RCRA		
135	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4767 299-E25-20 216-A-37-1 216-A-37-1 RCRA		
136	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A4771 299-E25-26 116-N-3 216-A-29 RCRA		
137	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 WAC	Replacement of A5089 699-24-33 WMA-T SWL WAC		
138	TBD	200-PO-1	TBD	200-PO-1	200-PO-1 RCRA	Replacement of A6031 299-E25-17 116-H-6 216-A-37-1 RCRA		
139	TBD	200-UP-1	TBD	200-UP-1	200-UP-1 CERCLA	Replacement of A5139 699-35-66A WMA-B-BX-BY ERDF		
140	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A4899 299-W10-8 WMA-B-BX-BY WMA-T		
141	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A4902 299-W11-12 WMA-B-BX-BY WMA-T		
142	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A5214 699-48-71 WMA-B-BX-BY SALDS WAC		
143	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A5221 699-49-79 SWL SALDS		
144	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A5232 699-51-75 ERDF SALDS		
145	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A7136 299-W10-1 SITE WMA-T		
146	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 RCRA	Replacement of A7137 299-W10-4 KE Basins WMA-T		
147	TBD	200-ZP-1	TBD	200-ZP-1	200-ZP-1 WAC	Replacement of A9730 699-51-75P SALDS SALDS		