0097479

Change Number	Federal Facility Agreement and Consent Order Change Control Form	Date
M-24-11-01	Do not use blue ink. Type or print using black ink.	June 06, 2011

Originator

K. M. Thompson

Phone

(509) 373-0750

Class of Change

[ ] I - Signatories [X] II - Executive Manager [ ] III - Project Manager

Change Title

Groundwater Protection, Monitoring and Remediation Well Installation Priority List Update Through CY 2014, and M-024-65 Creation.

Description/Justification of Change

This change package completes the 2011 Hanford Federal Facility Agreement and Consent Order (TPA) Target Date M-024-62-T01 requirement to conclude discussions of well commitments initiated under M-024-58 and, by August 1, 2011, add a new interim M-024 milestone commitment to incorporate new CY 2014 well installations to maintain a three-year rolling, prioritized well drilling schedule. The Parties have successfully concluded discussions and by approval of this change package authorize creation of new milestone M-024-65 for completion of CY 2014 well installations.

This change package also creates an August 1, 2014 target date for concluding annual well discussions for well installations through CY 2017. The target date is established as M-024-65-T01.

Continued on page 2

Impact of Change

This change provides for continued installation of new monitoring wells.

Affected Documents

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).

Approvals

DOE	Date 6/16/11	✓ Approved ____ Disapproved
EPA	Date 6/20/11	✓ Approved ____ Disapproved
Ecology	Date 6/20/11	✓ Approved ____ Disapproved

for D.G. Roswam

RECEIVED
JUL 01 2011
EDMC

Description/Justification of Change

Continued from page 1

Existing interim milestones M-024-63 and M-024-64 are modified to refer to the updated well installation attachments included with this change package. These interim milestones now refer to applicable text that will be maintained only in one place (M-024-58), rather than in each annual milestone.

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 2012 and CY 2013, as well as provides the list of wells for CY 2014. Monitoring wells identified to be drilled/constructed in the years CY 2012 through CY 2014 are identified in Attachment 1. Attachment 1 lists the planned installation calendar year for each monitoring well. Attachment 2, provided for information only, includes anticipated treatment wells that are not part of the M-024 milestone.

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.

Add detailed well construction provisions to M-024-58, so they are in a single location.

M-024-58 Lead agency: Ecology	Initiate discussions of well commitments to reaffirm the selected wells and recommend any new well installations needed to maintain a three-year rolling prioritized drilling schedule consistent with site-wide clean-up priorities. The following text applies to all M-024 well construction milestones. Since all wells are drilled in CERCLA or RCRA past practice Operable Units, the parties agreed that the most effective and efficient method of managing wastes from all Hanford well development drilling would be to dispose of the waste in the Hanford environmental restoration disposal facility (ERDF). This workscope would be conducted under the M-024 series milestones. The integration and coordination of well drilling under the revised Tri-Party Agreement M-024 milestone series will assure CERCLA needs are incorporated into the overall drilling campaign. In addition, the parties reaffirmed their commitment to Section 5.5 of the Tri-Party Agreement Action Plan, the need to coordinate the application of regulatory requirements, and that past-practice authority may provide the most efficient means for addressing mixed-waste groundwater contamination plumes originating from a combination of TSD and past-practice units. In order to ensure that TSD units within the operable units are brought into compliance with RCRA and state hazardous waste regulations, the State of Washington Department of Ecology (Ecology) intends, subject to part four of the Tri-Party Agreement, that all response or corrective actions, excluding situations where there is an imminent threat to the public health or environment as described in Section 7.2.3, will be conducted in a manner which ensures compliance with the technical requirements of the Hazardous Waste Management Act (HWMA) Chapter 70.105 RCW and implementing regulations. Notwithstanding this operating assumption, Ecology reserves the right to exercise its authority under the HWMA and the Hanford Sitewide RCRA Permit, Condition II.Y to require groundwater response actions consistent with WAC 173-303-645 and/or 173-303-646. The management of purgewater and investigation derived wastes from existing wells and wells under the M-024 Tri-Party Agreement milestones (including treatment, storage, and disposal unit wells), will be managed as CERCLA wastes in accordance with a CERCLA decision document, sampling and analysis plan, or waste control plan. Non-liquids will be disposed at ERDF as long as the wastes meet ERDF disposal acceptance criteria. Purgewater will be stored and/or treated at the 200 Area Effluent Treatment Facility or the 600 Area Purgewater Storage and Treatment Facility, unless the lead regulatory agency approves a discharge request for return to the environment. (This milestone series will continue on a yearly basis until such time that the Parties agree that sufficient	June 1, 2008 and annually thereafter

	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 workplans. Additional work or modification to work shall be in accordance with the provisions of Article XXX of the Agreement.	

Update existing milestones to refer to the latest well installation attachment, establish new M-024-65, and refer to the detailed text that has been moved to M-024-58:

M-024-63 Lead agency: Ecology	DOE shall complete the construction of all wells listed for calendar year 2012 and before, as identified in attachment 1 of TPA change package ~~M-024-10-01~~ M-024-11-01. The well listing can be modified with agreement of the Parties at the Project Manager level. Refer to M-024-58 for additional text that applies to this milestone. ~~Since all wells are drilled in CERCLA or RCRA past practice operable units, the Parties agreed that the most effective and efficient method of managing waste from all Hanford well development drilling would be to dispose of the waste in the Hanford Environmental Restoration Disposal Facility (ERDF). This workscope would be conducted under the M-024 Series Milestones and will need to meet ERDF disposal requirements through the timely submittal of CERCLA sampling and analysis plans (or revisions to existing CERCLA sampling and analysis plans) for the appropriate operable unit, approved by the assigned lead regulatory agency.~~ ~~The integration and coordination of well drilling under the revised Tri-Party Agreement M-024 Milestone Series will assure CERCLA needs are incorporated into the overall drilling campaign. In addition, the Parties reaffirmed their commitment to Section 5.5 of the Tri-Party Agreement Action Plan, the need to coordinate the application of regulatory requirements, and that past-practice authority may provide the most efficient means for addressing mixed-waste groundwater contamination plumes originating from a combination of TSD and past-practice units. In order to ensure that TSD units within the operable units are brought into compliance with RCRA and state hazardous waste regulations, the State of Washington Department of Ecology (Ecology) intends, subject to part four of the Tri-Party Agreement, that all response or corrective actions, excluding situations where there is an imminent threat to the public health or environment as described in Section 7.2.3, will be conducted in a manner which ensures compliance with the technical requirements of the Hazardous Waste Management Act (HWMA)Chapter 70.105 RCW and implementing regulations. Notwithstanding this operating assumption, Ecology reserves the right to exercise its authority under the HWMA and the Hanford Sitewide RCRA Permit, Condition II.Y to require groundwater response actions consistent with WAC 173-303-645 and/or 173-303-646.~~	December 31, 2012

	~~The management of purgewater and investigation derived wastes from existing wells and wells under the revised M-024 Tri-Party Agreement Milestones (including treatment, storage, and disposal unit wells), will be managed as CERCLA wastes in accordance with a CERCLA Decision Plan. Nonliquids will be disposed at ERDF as long as the wastes meet ERDF disposal acceptance criteria. Purgewater will be stored and/or treated at the 200 Area Effluent Treatment Facility or the 600 Area Purgewater Storage and Treatment Facility, unless the lead regulatory agency approves a discharge request for return to the environment.~~ ~~(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.)~~ ~~This milestone does 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.~~	
M-024-64 Lead agency: Ecology	DOE shall complete the construction of all wells listed for calendar year 2013 and before, as identified in attachment 1 of TPA change package ~~M-24-10-01~~ M-24-11-01. The well listing can be modified with agreement of the Parties at the Project Manager level. Refer to M-024-58 for additional text that applies to this milestone. ~~Since all wells are drilled in CERCLA or RCRA past practice operable units, the Parties agreed that the most effective and efficient method of managing waste from all Hanford well development drilling would be to dispose of the waste in the Hanford Environmental Restoration Disposal Facility (ERDF). This workscope would be conducted under the M-024 Series Milestones and will need to meet ERDF disposal requirements through the timely submittal of CERCLA sampling and analysis plans (or revisions to existing CERCLA sampling and analysis plans) for the appropriate operable unit, approved by the assigned lead regulatory agency.~~ ~~The integration and coordination of well drilling under the revised Tri-Party Agreement M-024 Milestone Series will assure CERCLA needs are incorporated into the overall drilling campaign. In addition, the Parties reaffirmed their commitment to Section 5.5 of the Tri-Party Agreement Action Plan, the need to coordinate the application of regulatory requirements, and that past-practice authority may provide the most efficient means for addressing mixed-waste groundwater contamination plumes originating from a combination of TSD and past-practice units. In order to ensure that TSD units within the operable units are brought into compliance with RCRA and state hazardous waste regulations, the State of Washington Department of Ecology (Ecology) intends, subject to part four of the Tri-Party Agreement, that all response or corrective actions, excluding situations where there is an imminent threat to the public health or environment as described in Section 7.2.3, will be conducted in a manner which ensures~~	December 31, 2013

	~~compliance with the technical requirements of the Hazardous Waste Management Act (HWMA)Chapter 70.105 RCW and implementing regulations. Notwithstanding this operating assumption, Ecology reserves the right to exercise its authority under the HWMA and the Hanford Sitewide RCRA Permit, Condition II.Y to require groundwater response actions consistent with WAC 173-303-645 and/or 173-303-646. The management of purgewater and investigation derived wastes from existing wells and wells under the revised M-024 Tri-Party Agreement Milestones (including treatment, storage, and disposal unit wells), will be managed as CERCLA wastes in accordance with a CERCLA Decision Plan. Nonliquids will be disposed at ERDF as long as the wastes meet ERDF disposal acceptance criteria. Purgewater will be stored and/or treated at the 200 Area Effluent Treatment Facility or the 600 Area Purgewater Storage and Treatment Facility, unless the lead regulatory agency approves a discharge request for return to the environment.~~ ~~(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.)~~ ~~This milestone does 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.~~	

M-024-65 Lead agency: Ecology	DOE shall complete the construction of all wells listed for calendar year 2014 and before, as identified in attachment 1 of TPA change package M-024-11-01. The well listing can be modified with agreement of the Parties at the Project Manager level. Refer to M-024-58 for additional text that applies to this milestone.	December 31, 2014

Correction to existing target date text for M-024-64-T01:

M-024-64-T01 Lead agency: Ecology	Conclude discussions of well commitments initiated under M-024-58 and add a new interim M-024 milestone commitment for December 31, ~~2015~~ 2016 to incorporate new well installations needed to maintain a three-year rolling prioritized drilling schedule.	August 1, 2013

New target date established, associated with milestone M-024-65:

M-024-65-T01 Lead agency: Ecology	Conclude discussions of well commitments initiated under M-024-58 and add a new interim M-024 milestone commitment for December 31, 2017 to incorporate new well installations needed to maintain a three-year rolling prioritized drilling schedule.	August 1, 2014

Attachment 1
CY 2012 - CY 2014 Monitoring Wells

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
1	C7564	RCRA	299-E33-265	WMA-1 #1	200-E WMA 1	RCRA WMA Well replaces dry C7566	Accepted 9/7/2010	CY 2012 M-24 Well
2	C7565	RCRA	299-E33-266	WMA-1 #2	200-E WMA 1	RCRA WMA Well	Accepted 9/7/2010	CY 2012 M-24 Well
3	C7566	RCRA	299-E34-13	WMA-1 #3	200-E WMA 1	RCRA WMA Well - Decommissioned - Not enough water	FY 2010 Decommis-sioned 4/1/2010	CY 2012 M-24 Well
4	C7570	RCRA	299-E27-24	SST WMA C	241-C Farm	RCRA SST WMA CWell	Accepted 9/7/2010	CY 2012 M-24 Well
5	C7664	RCRA	299-W22-89	SST WMA S/SX #1	241-S Farm	RCRA SST WMA S/SX Well	Accepted 9/7/2010	CY 2012 M-24 Well
6	C7790	100-FR-3	199-F5-52	Support 100-FR-3 RI/FS	100-F	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/28/2010	CY 2012 M-24 Well
7	C7791	100-FR-3	199-F5-53	Support 100-FR-3 RI/FS	100-F	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/28/2010	CY 2012 M-24 Well
8	C7792	100-FR-3	199-F5-54	Support 100-FR-3 RI/FS	100-F	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/28/2010	CY 2012 M-24 Well
9	C7508	100-BC-5	199-B8-9	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/30/2010	CY 2012 M-24 Well
10	C7783	100-BC-5	199-B2-15	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/22/2011	CY 2012 M-24 Well
11	C7784	100-BC-5	199-B2-16	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/22/2011	CY 2012 M-24 Well
12	C7785	100-BC-5	199-B3-51	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/21/2011	CY 2012 M-24 Well
13	C7786	100-BC-5	199-B4-14	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 12/30/2010	CY 2012 M-24 Well
14	C8244 replaced C7787	100-BC-5	199-B5-8 replaced 199-B5-7	Support 100-BC-5 RI/FS	100-B	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/21/2011	CY 2012 M-24 Well
15	C7683	100-KR-4	199-K-183	100-KR-4 RI/FS #1	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 11/18/2010	CY 2012 M-24 Well
16	C7684	100-KR-4	199-K-184	100-KR-4 RI/FS #9	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
17	C7685	100-KR-4	199-K-185	100-KR-4 RI/FS #7	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
18	C7686	100-KR-4	199-K-186	100-KR-4 RI/FS #10	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well

Attachment 1
CY 2012 - CY 2014 Monitoring Wells

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
19	C7687	100-KR-4	199-K-187	100-KR-4 RI/FS #2	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 11/18/2010	CY 2012 M-24 Well
20	C7688	100-KR-4	199-K-188	100-KR-4 RI/FS #11	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
21	C7689	100-KR-4	199-K-189	100-KR-4 RI/FS #12	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
22	C7690	100-KR-4	199-K-190	100-KR-4 RI/FS #8	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 11/18/2010	CY 2012 M-24 Well
23	C7691	100-KR-4	199-K-191	100-KR-4 RI/FS #3	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 11/18/2010	CY 2012 M-24 Well
24	C7692	100-KR-4	199-K-192	100-KR-4 RI/FS #4	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
25	C7693	100-KR-4	199-K-193	100-KR-4 RI/FS #5	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
26	C7694	100-KR-4	199-K-194	100-KR-4 RI/FS #6	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
27	C7695	100-KR-4	199-K-195	100-KR-4 RI/FS #13	100-K	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 3/28/2011	CY 2012 M-24 Well
28	C7657	300-FF-5	399-1-58	300-FF-5 #1	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2012 M-24 Well
29	C7658	300-FF-5	399-6-3	300-FF-5 #2	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2012 M-24 Well
30	C7659	300-FF-5	399-1-59	300-FF-5 #3	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2012 M-24 Well
31	C7653	300-FF-5	399-1-54	300-FF-5 #4	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
32	C7654	300-FF-5	399-1-55	300-FF-5 #5	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
33	C7655	300-FF-5	399-1-56	300-FF-5 #6	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
34	C7656	300-FF-5	399-1-57	300-FF-5 #7	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
35	C7660	300-FF-5	399-2-32	300-FF-5 #8	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
36	C8245 replaced C7661	300-FF-5	399-6-5 replaced 399-6-4	300-FF-5 #9	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well

Attachment 1
CY 2012 - CY 2014 Monitoring Wells

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
37	C7662	300-FF-5	399-4-15	300-FF-5 #10	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
38	C7663	300-FF-5	399-3-33	300-FF-5 #11	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 2/15/2011	CY 2013 M-24 Well
39	C8026	300-FF-5	399-1-61	300-DU-12	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 4/5/2011	CY 2013 M-24 Well
40	C8027	300-FF-5	399-1-62	300-DU-13	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 4/5/2011	CY 2013 M-24 Well
41	C8028	300-FF-5	399-1-63	300-DU-14	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 4/5/2011	CY 2013 M-24 Well
42	C8029	300-FF-5	399-1-64	300-DU-15	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 4/5/2011	CY 2013 M-24 Well
43	C8030	300-FF-5	399-3-38	300-DU-16	300 Area	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 4/5/2011	CY 2013 M-24 Well
44	C7620	100-HR-3	199-D3-5	100-HR-3 #1	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
45	C7621	100-HR-3	199-D5-133	100-HR-3 #2	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
46	C7622	100-HR-3	199-D5-132	100-HR-3 #3	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
47	C7623	100-HR-3	199-D6-3	100-HR-3 #4	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
48	C7624	100-HR-3	199-D5-134	100-HR-3 #5	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
49	C7625	100-HR-3	199-D5-141	100-HR-3 #15	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
50	C7626	100-HR-3	199-H3-6	100-HR-3 #6	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
51	C7627	100-HR-3	199-H3-7	100-HR-3 #7	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
52	C7628	100-HR-3	199-H6-3	100-HR-3 #8	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
53	C7629	100-HR-3	199-H6-4	100-HR-3 #9	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well

Attachment 1
CY 2012 - CY 2014 Monitoring Wells

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
54	C7630	100-HR-3	199-H1-7	100-HR-3 #10	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
55	C7631	100-HR-3	199-H2-1	100-HR-3 #11	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
56	C7639	100-HR-3	199-H3-9	100-HR-3 #13	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
57	C7640	100-HR-3	199-H3-10	100-HR-3 #14	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
58	C7866	100-HR-3	199-D5-140	100-HR-3 #12	100-H/100-D	Obtain Data Supporting the CERCLA RI/FS Process	Accepted 5/10/2011	CY 2013 M-24 Well
59	C8187	100-NR-2	199-N-185	100-NR-2 #4	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011 metrics complete 4/15/11	CY 2013 M-24 Well
60	C8184	100-NR-2	199-N-182	100-NR-2 #1	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2013 M-24 Well
61	C8185	100-NR-2	199-N-183	100-NR-2 #2	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2014 M-24 Well
62	C8186	100-NR-2	199-N-184	100-NR-2 #3	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2014 M-24 Well
63	C8188	100-NR-2	199-N-186	100-NR-2 #5	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2014 M-24 Well
64	C8189	100-NR-2	199-N-187	100-NR-2 #6	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2014 M-24 Well
65	C8190	100-NR-2	199-N-188	100-NR-2 #7	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2014 M-24 Well
66	C8191	100-NR-2	199-N-189	100-NR-2 #8	100-NR-2	Obtain Data Supporting the CERCLA RI/FS Process	FY 2010/2011	CY 2014 M-24 Well
67	C8240	200-UP-1	299-W22-95	200-UP-1	200-UP-1	Monitoring Well in 200-UP-1 Groundwater OU	FY 2011	CY 2014 M-24 Well
68	C8241	200-UP-1	299-W22-96	200-UP-1	200-UP-1	Monitoring Well in 200-UP-1 Groundwater OU	FY 2011	CY 2014 M-24 Well
69	C8201	RCRA	299-W9-2	RCRA	LLWMA-3	Monitor Mixed-Waste Trenches 31 and 34, Up-gradient	FY2011	CY 2014 M-24 Well

Attachment 1
CY 2012 - CY 2014 Monitoring Wells

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
70	C8204	RCRA	299-E26-14	RCRA	LERF	LERF Monitoring Well - North of facility	FY2011	CY 2014 M-24 Well
71	C8200	RCRA	699-25-34E	RCRA	NRDWL/SWL	Monitor NRDWL/SWL - Replace Dry Well - Downgradient	FY2012	CY 2014 M-24 Well
72	C8202	RCRA	299-W22-93	RCRA	SST S-SX	Monitor RCRA Facility - SST S-SX Near 299-W22-44Downgradient	FY2012	CY 2014 M-24 Well
73	C8203	RCRA	299-W22-94	RCRA	SST S-SX	Monitor RCRA Facility - SST S-SX Near 299-W22-48 Downgradient	FY2012	CY 2014 M-24 Well
74	TBD	100-HR-3	TBD	100-HR-3 #1	100-HR-3	Compliance Wells Supporting RPO Eleven Wells	FY 2012	CY 2014 M-24 Well
75	TBD	100-HR-3	TBD	100-HR-3 #2	100-HR-3	Compliance Wells Supporting RPO Eleven Wells	FY 2012	CY 2014 M-24 Well
76	TBD	100-HR-3	TBD	100-HR-3 #3	100-HR-3	Compliance Wells Supporting RPO Eleven Wells	FY 2012	CY 2014 M-24 Well
77	TBD	100-HR-3	TBD	100-HR-3 #4	100-HR-3	Compliance Wells Supporting RPO Eleven Wells	FY 2012	CY 2014 M-24 Well
78	TBD	100-HR-3	TBD	100-HR-3 #5	100-HR-3	Compliance Wells Supporting RPO Eleven Wells	FY 2012	CY 2014 M-24 Well
79	TBD	100-HR-3	TBD	100-HR-3 #6	100-HR-3	Compliance Wells Supporting RPO Eleven Wells	FY 2012	CY 2014 M-24 Well
80	TBD	100-HR-3	TBD	100-HR-3 #7	100-HR-3	Compliance Wells Supporting RPO Eleven Wells	FY 2012	CY 2014 M-24 Well
81	TBD	100-HR-3	TBD	100-HR-3 #8	100-HR-3	Compliance Wells Supporting RPO Eleven Wells	FY 2012	CY 2014 M-24 Well
82	TBD	100-HR-3	TBD	100-HR-3 #9	100-HR-3	Compliance Wells Supporting RPO Eleven Wells	FY 2012	CY 2014 M-24 Well
83	TBD	100-HR-3	TBD	100-HR-3 #10	100-HR-3	Compliance Wells Supporting RPO Eleven Wells	FY 2012	CY 2014 M-24 Well
84	TBD	100-HR-3	TBD	100-HR-3 #11	100-HR-3	Compliance Wells Supporting RPO Eleven Wells	FY 2012	CY 2014 M-24 Well
85	TBD	RCRA	TBD	RCRA #1		SST U Monitoring Well - Near 299-W18-30 - Downgradient Replace well going dry	FY 2012	CY 2014 M-24 Well
86	TBD	RCRA	TBD	RCRA #2		NRDWL/SWL monitoring well - upgradient New upgradient well for final status plan	FY 2012	CY 2014 M-24 Well

Attachment 1
CY 2012 - CY 2014 Monitoring Wells

#	Well ID	OU/Other	Comments	Temporary Name	Program/Facility Name/ Locations	Justification/Purpose	Planned Campaign	TPA Calendar Year
87	TBD	RCRA	TBD	RCRA #3		NRDWL/SWL monitoring well - upgradient New upgradient well for final status plan	FY 2012	CY 2014 M-24 Well
88	TBD	RCRA	TBD	RCRA #4		NRDWL/SWL monitoring well - downgradient Far-field downgradient well	FY 2012	CY 2014 M-24 Well
89	TBD	RCRA	TBD	RCRA #5		LLWMA-2 monitoring well - East of Trench 94 - Upgradient Contingent on results of geophysical investigations	FY 2012	CY 2014 M-24 Well
90	TBD	100-BC-5	TBD	100-BC-5 #1	100-BC-5	100-BC-5 CERCLA 5-Year Review	FY 2012	CY 2014 M-24 Well

Attachment 2
Completed and Anticipated Treatment Wells, Not Part of M-024 Milestone

# of Wells	OU/Other	Justification/Purpose	Planned Campaign
1	100-HR-3	Iron Amendment Verification	Accepted FY 2009 3/31/2009
4	100-HR-3	Bioremediation Treatability Test	FY 2010/2011
40	100-HR-3	100 "H" RPO and Scenario 5	FY 2010 Accepted 12 to date
30	100-HR-3	100 "D" RPO and Scenario 5	FY 2010 Accepted 14 on 2/23/2010; 14 on 5/4/2010
7	100-KR-4	Well Realignment	Accepted FY 2009/2010: 2 on 3/12/2009; 2 on 10/15/2009; 1 on 10/27/2009; 2 on 1/21/2010
4	100-KR-4	RPO	FY 2010/2011
16	100-KR-4	RPO	FY 2013
2	100-KR-4	Pump and Treat Optimization	FY 2012
149	100-NR-2	Barrier Emplacement	Accepted FY 2010
9	100-NR-2	Infiltration Gallery/Petroleum Hydrocarbon	Accepted 1 on 3/19/2009; 8 on 5/5/2009
7	100-NR-2	BioRemediation for WCH	Accepted 3/19/2009
3	200-BC Cribs	BC Cribs	Accepted FY 2009
20	200-BC Cribs	BC Cribs Soil Dessication	Accepted FY 2011 4/23/2010
1	200-BC Cribs	Deep Vadose Characterization	Accepted FY 2009
5	200-BC Cribs	Deep Vadose Characterization	Accepted FY 2009 6/8/2009
2	200-BC Cribs	Deep Vadose Characterization Tc-99 Ground Truthing	FY 2011
5	200-BC Cribs	Uranium Sequestration Field Test	FY 2012
2	200-PW-1	Soil Vapor Extraction	FY 2013
3	200-UP-1	UP-1 GW extraction sys to remove Technetium-99 (Tc-99) GW contaminants originating from disposal facilities associated with the reduction-oxidation processing of Uranium 299-W22-90 (C8095), 299-W22-91 (C8096), 299-W22-92 (C8097)	FY 2011

Attachment 2
Completed and Anticipated Treatment Wells, Not Part of M-024 Milestone

3	200-ZP-1	Pump and Treat C7018 299-W14-20, C7017 299-W15-225, C7021 299-W14-73	Accepted 1 on 9/24/2009; 2 on 7/30/2009
6	200-ZP-1	Pump and Treat C7029 299-W12-4, C7027 299-W12-2 , C7028 299-W12-3, C7024 299-W14-74, C7494 299-W14-21, C7754 299-W11-96	Accepted 3/1/2010
11	200-ZP-1	Pump and Treat C7019 299-W11-49 , C7022 299-W11-90, C7025 299-W11-92, C7574 299-W15-226, C7575 299-W15-227, C7576 299-W17-2, C7577 299-W17-3, C7578 699-45-67, C7579 699-43-67, C7020 299-W11-50 and C7573 299-W10-35	FY 2010/2011
6	200-ZP-1	Pump and Treat	FY 2010/2011
15	300-FF-5	Confirmatory/Treatability Test	Accepted FY 2009 5/5/2009
3	300-FF-5	IFRC - Drilled three wells C7874 399-2-34, C7875 399-2-37, C7876 399-3-35	Accepted FY 2010
4	300-FF-5	IFRC - Drill up to 4 additional wells C7867 399-1-60, C7868 399-2-33, C7869 399-3-37, C7870 399-3-34	FY 2011 Accepted 4/5/2011
2	618-10	Dust Suppression Production Well in the 618-10 Area C7829 699-S5-E2, C7830 699-S5-E2B	FY 2010/2011 completed 10/26/2010
2	100-KR-4	WCH 100-KR-4 Temporary Wells Obtain Data Supporting the CERCLA RI/FS Process C7852 199-D8-101, C7863 199-H3-11, C7857 199-D5-142, C7861 199-H4-83 and C7860 199-H4-84	Completed FY 2010
5	100-HR-3	WCH 100-HR-3 Temporary Wells Obtain Data Supporting the CERCLA RI/FS Process C7831, C7832	Accepted 2/23/2011
2	100-BC-5	WCH 100-BC-5 Temporary Wells Obtain Data Supporting the CERCLA RI/FS Process C7843 199-B3-52, C7845 199-B4-15	Accepted 12/30/2010
2	100-FR-3	WCH 100-BC-5 Temporary Wells Obtain Data Supporting the CERCLA RI/FS Process C7970 199-F5-55 and C7972 199-F5-56	Completed February 2011
371	**TOTAL**		