



U.S. Department of Energy Hanford Site

October 29, 2020

21-SGD-0005
REISSUE

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Addressees:

REISSUE COMPLETION OF HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (TRI-PARTY AGREEMENT) MILESTONE M-024-71

This letter is being reissued to correct the error in the cc portion, removing J. Atwood. This letter documents completion of Tri-Party Agreement (TPA) interim milestone M-024-71, "DOE shall complete the construction of all wells listed for Calendar Year 2020 and before, as identified in TPA change package M-24-20-01," signed July 23, 2020.

The installation of a total of 30 wells was completed on September 28, 2020, well in advance of the required December 31, 2020 due date. Attached is the listing of M-24 Calendar Year 2020 Wells Completed.

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If you have any questions, please contact me, or your staff my contact Kathy Higgins, of my staff, on (509) 376-3658.

Sincerely,

Michael W. Cline

Digitally signed by Michael W.
Cline
Date: 2020.10.29 06:01:46 -07'00'

Michael W. Cline, Director,
Soil and Groundwater Division
Richland Operations Office

SGD:KLH

Attachment:
(M-024-71)

cc w/attachs:

D. B. Bartus, EPA
J. Bell, NPT
T. B. Bergman, CHPRC
S. L. Brasher, MSA
R. Buck, Wanapum
C. Cameron, EPA
L. Contreras, YN
S. W. Davis, MSA
D. Goswami, Ecology
S. Leckband, HAB
N. M. Menard, Ecology
M. Murphy, CTUIR
J. B. Price, Ecology
S. N. Schleif, Ecology
M. Woods, ODOE
Administrative Record (M-024-71)
Environmental Portal

M-24 Calendar Year 2020 Wells Completed

2020 Number	Well ID	OU	Well Name	Program	Justification/Purpose/Location	Comment	Completion Calendar Year
1	C9719	100-HR-3	199-H7-1	CERCLA	RUM monitoring well in northern portion of the Horn for plume delineation. 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	Accepted 5/16/2019	M-024 CY2020
2	C9931	100-HR-3	199-H1-50	CERCLA	RUM aquifer monitoring well in the northwest 100-H area for plume delineation and geologic characterization.	Accepted 5/16/2019	M-024 CY2020
3	C9738	200-ZP-1	299-W6-17	CERCLA	Monitoring well MW-2A. Investigate contamination "escaping" to the northeast and not fully captured.	Accepted 7/11/2019	M-024 CY2020
4	C9740	200-ZP-1	699-44-70B	CERCLA	Monitoring well MW-8 A/B. Identify divide between the extraction wells and injection wells in order to properly dial in the pumping rates.	Accepted 7/11/2019	M-024 CY2020
5	C9869	300-FF-5	399-4-16	CERCLA	324 well will be downgradient from the 324 Building and the contaminated soil below the B Cell. In accordance with DOE/RL-2014-42, 300-FF-5 Operable Unit Remedy Implementation Sampling and Analysis Plan, the wells should be monitored before, during, and after remediation of the associated waste site. The data will be evaluated to determine whether there is evidence of new contaminant releases to the environment that could impact the effectiveness of the remedy.	Accepted 6/26/2019	M-024 CY2020
6	D0041	200-PO-1	299-E17-57	RCRA/ CERCLA	EER identified well in SGW-62007 IDF_PW-4 monitoring well	Accepted 8/7/2019	M-024 CY2020
7	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	Accepted 8/20/2019	M-024 CY2020
8	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	Accepted 8/20/2019	M-024 CY2020
9	C9872	100-FR-3	699-71-24	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells (C9472 through C9480)	Accepted 8/20/2019	M-024 CY2020
10	C9873	100-FR-3	699-68-29	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells (C9472 through C9480)	Decommissioned	M-024 CY2020
11	C9874	100-FR-3	699-60-27	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells (C9472 through C9480)	Accepted 8/20/2019	M-024 CY2020
12	C9875	100-FR-3	699-73-30	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells (C9472 through C9480)	Accepted 8/20/2019	M-024 CY2020
13	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	Accepted 8/20/2019	M-024 CY2020
14	C9985	100-FR-3	699-70-29	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells	Accepted 8/20/2019	M-024 CY2020
15	D0130	100-FR-3	699-71-30C	CERCLA	Six 100-FR-3 monitoring wells needed based on phase I wells	Accepted 8/20/2019	M-024 CY2020
16	D0004	300-FF-5	699-S6-E3B	AEA/ CERCLA	Replacement well for C4073 699-S6-E4L, decommissioned 8/26/2015, due to the 618-10 burial grounds excavation. Prior to decommissioning the well exhibited a sharp increase in uranium concentration from 2012 to 2015, which may have been leached due to dust suppression activities. The new AEA well will focus on monitoring possible groundwater contamination and elevated uranium levels.	Accepted 8/22/2019	M-024 CY2020
17	D0038	200-PO-1	299-E17-56	RCRA/ CERCLA	EER identified well in SGW-62007 IDF_PW-1 monitoring well	Accepted 9/23/2019	M-024 CY2020
18	C9752	200-BP-5	299-E28-34	CERCLA	Dual-Use Monitoring/Extraction well per the BP-5 Remedial Action Work Plan, Decisional Draft RAWP. Located in the 200 East Area southwest of the B Tank Farm	Accepted 9/24/2019	M-024 CY2020
19	C9753	200-BP-5	299-E27-137B	CERCLA	Dual-Use Monitoring/Extraction well per the BP-5 Remedial Action Work Plan, Decisional Draft RAWP. Located in the 200 East Area southwest of the B Tank Farm	Accepted 9/24/2019	M-024 CY2020
20	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.	Accepted 9/24/2019	M-024 CY2020
21	C9953	200-UP-1	699-37-67	CERCLA	Replacement of A5139 699-35-66A at ERDF which is non-WAC compliant and is anticipated to go dry; the new well will be about 900 meters NNW of 699-35-66A, which was determined to be more down-gradient of ERDF due to changing groundwater flow directions	Accepted 9/30/2019	M-024 CY2020
22	C9871	200-UP-1	699-36-65	CERCLA	Replacement of ERDF well due to cell #11 expansion (future need for ERDF expansion - planned FY2020) Will need to decommission C6219 699-36-66B	Accepted 9/30/2019	M-024 CY2020
23	D0040	200-PO-1	299-E24-164	RCRA/ CERCLA	EER identified well in SGW-62007 IDF_PW-3 monitoring well	Accepted 9/30/2019	M-024 CY2020
24	C9750	200-BP-5	699-47-55	CERCLA	Remedy monitoring wells per the BP-5 Remedial Action Work Plan, Decisional Draft RAWP, located just outside of the 200 East Area in the 600 Area north of BX/BY Tank Farm	Accepted 2/4/2020	M-024 CY2020
25	C9751	200-BP-5	699-47-53B	CERCLA	Remedy monitoring wells per the BP-5 Remedial Action Work Plan, Decisional Draft RAWP, located just outside of the 200 East Area in the 600 Area north of BX/BY Tank Farm	Accepted 2/4/2020	M-024 CY2020
26	D0089	100-KR-4	199-K-239	CERCLA	Replacement well for A4644 (199-K-13) Non-WAC compliant due to the lack of a continuous annular seal around the casing. In 2017, well 199-K-23 was decommissioned to support waste site remediation efforts. However, prior to decommissioning, the well exhibited elevated CrVI (~800 µg/L). The downgradient monitoring well 199-K-13 has been monitored for all of 2018, however the well is a WAC non-compliant well and needs to be replaced to adequately monitor the aquifer in this area.	Accepted 3/12/2020	M-024 CY2020
27	D0090	100-KR-4	199-K-240	CERCLA	Well to support future soil flushing activities at 183.1 KE Headhouse and target elevated Cr(VI) concentrations observed during 2018.	Accepted 3/12/2020	M-024 CY2020

M-24 Calendar Year 2020 Wells Completed

2020 Number	Well ID	OU	Well Name	Program	Justification/Purpose/Location	Comment	Completion Calendar Year
28	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	Accepted 9/28/2020	M-024 CY2020
29	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.	Accepted 9/28/2020	M-024 CY2020
30	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.	Accepted 9/28/2020	M-024 CY2020