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

17-AMRP-0095

FEB 2 3 2017

Ms. Alexandra K. Smith, Program Manager
Nuclear Waste Program
Washington State Department of Ecology
3100 Port of Benton Boulevard
Richland, Washington 99354

Dear Ms. Smith:

COMPLETION OF HANFORD FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (TRI-PARTY AGREEMENT) MILESTONE M-091-47C

References:

(1) RL ltr. to T. Tebb, Ecology, from R. J. Corey, "Completion of the 280 Cubic Meter Portion of Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Milestone M-091-47B," 16-AMRP-0144, dtd. April 7, 2016.

(2) RL ltr. to J. A. Hedges, Ecology, from R. J. Corey, "Completion of Proposed Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) Milestone M-091-47A," 15-AMRP-0361, dtd. September 30, 2015.

The purpose of this letter is to formally notify the Washington State Department of Ecology of the completion of Tri-Party Agreement Milestone M-091-47C. The milestone states:

> "Certify or treat 280 cubic meters of transuranic mixed waste (TRUM) and mixed low level waste (MLLW) subsequent to completing certification or treatment of the volume required by M-091-47B. DOE achieves credit towards this volumetric requirement through some combination of: 1) certification of small or large container TRUM waste or 2) treatment and disposal of MLLW from small or large containers. Certification of TRUM and MLLW and/or treatment and disposal of MLLW in excess of the volumetric requirement of previous M-091-47 series milestones can be credited towards future M-091-47 series milestones."

Reference (2) provided a list of containers and volume (288.2m^3) that met the terms of milestone M-091-47A and a volume of 8.2m^3 was credited towards meeting the next milestone M-091-47B. Reference (1) provided a list of the containers and volume (285.3m^3) to meet the terms of milestone M-091-47B, but did not include the previously credited volume of 8.2m^3. The total volume for milestone M-091-47B, including the credited volume is 293.5m^3, yielding 13.5 m^3 to be applied to milestone M-091-47C. A list of processed containers to be applied towards milestone M-091-47C is attached (totaling 267.3m^3), which yields a credited volume of 280.0m^3.

The following table provides a simplified version of the volumes that were credited to each milestone.

Milestone	Certification/ Treatment/ Disposal (m^3)	Excess Volumetric Reported (Cum) (m^3)	Excess Volumetric Credited (m^3)	Total Credited (m^3)
M-091-91-47A	288.2	8.2	--	280
M-091-91-47B	285.3	13.5	--	280
M-091-91-47C	267.3	0.8	12.7	280

If you have any questions, please contact me or your staff may contact Al Farabee, of my staff, on (509) 376-8089.

Sincerely,

Ray J. Corey, Assistant Manager
for the River and Plateau

AMRP:OAF

Attachment

cc w/attach: See page 3

cc w/attach:
G. Bohnee, NPT
J. V. Borghese, CHPRC
R. Buck, Wanapum
D. A. Faulk, EPA
S. Hudson, HAB
R. Jim, YN
N. M. Menard, Ecology
D. E. Nester, CHPRC
K. Niles, ODOE
C. P. Noonan, MSA
R. E. Piippo, MSA
J. B. Price, Ecology
D. Rowland, YN
C. J. Simiele, CHPRC
R. Skeen, CTUIR
E. R. Skinnarland, Ecology
M. J. Turner, MSA
Administrative Record
Ecology NWP Library
Environmental Portal

TPA Milestone M-091-47C (280-m^3) TRUM/MLLW Waste Validation Data Report

TPA	Shipment Number	Shipment Date to PFNW	Shipped Waste Package IDs (PINs)	Waste Removed From CWC Location	Waste Volume Shipped (m3)	Shipped Waste Package Type	Return Shipment Number	Return Shipment Date (Completion Date)	Waste Volume Completed (m3)[1]	Returned TRUM Waste Packages	Returned TRUM Waste PINs
M-091-47C	**Extra Volume Carried Forward From Meeting M-091-47B =**								**13.5**		
M-091-47C	TC130D	2/4/16	0028846	CWC 2402WE	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21	40 55-gal Drums	MW16800004 MW16800005 MW16800006 MW16800007 MW16800008 MW16800009 MW16800010 MW16800011 MW16800012 MW16800013 MW16800014 MW16800015 MW16800016 MW16800017 MW16800018 MW16800019 MW16800020 MW16800021 MW16800022 MW16800023 MW16800024 MW16800025 MW16800026 MW16800027 MW16800031 MW16800032 MW16800033 MW16800034 MW16800035 MW16800036 MW16800037 MW16800038 MW16800039 MW16800040 MW16800041 MW16800042 MW16800043 MW16800044 MW16800045 MW16800046
			0028852	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21		
			0028928	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21		
			0029668	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21		
			0029850	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21		
			0029885	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21		
			0030841	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21		
			0031159	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21		
			0061101	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21		
			0089074	CWC 2402WE	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21		
			0089079	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21		
			0089086	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1602 TR1603	3/10/16 4/28/16	0.21		

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M-091-47C	**Extra Volume Carried Forward From Meeting M-091-47B =**								**13.5**		
M-091-47C	TC131D	2/25/16	0031068	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1604	4/28/16	0.21	16 55-gal Drums	MW16800047 MW16800048 MW16800049 MW16800050 MW16800051 MW16800052 MW16800053 MW16800054 MW16800055 MW16800056 MW16800057 MW16800058 MW16800059 MW16800060 MW16800061 MW16800062
			ARD80-027	CWC 2403WA	0.21	55-gal Watch List Drum (RSW)	TR1604	4/28/16	0.21		
			0037463	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1604	4/28/16	0.21		
			0037481	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1604	4/28/16	0.21		
			0038649	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1604	4/28/16	0.21		
			0038815	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1604	4/28/16	0.21		
			0038854	CWC 2403WA	0.21	55-gal OP Watch List Drum (RSW)	TR1604	4/28/16	0.21		
			ARD80-017	CWC 2403WA	0.21	55-gal Watch List Drum (RSW)	TR1604	4/28/16	0.21		
			ARD80-022	CWC 2403WA	0.21	55-gal Watch List Drum (RSW)	TR1604	4/28/16	0.21		
			ARD80-025	CWC 2403WA	0.21	55-gal Watch List Drum (RSW)	TR1604	4/28/16	0.21		
			Z9-780109	CWC 2402WB	0.21	55-gal Watch List Drum (RSW - Z9)	TR1604	4/28/16	0.21		
			Z9-780717	CWC 2402WB	0.21	55-gal Watch List Drum (RSW - Z9)	TR1604	4/28/16	0.21		
M-091-47C	TC141	3/17/16	231Z-DR-5	CWC-OSAA	64.59	FRP (RSW)	TR1605	5/5/16	64.59	6 SWBs	MW16800028 MW16800029 MW16800063 MW16800064 MW16800065 MW16800066
M-091-47C	TC142	5/12/16	W4BT11-0049	CWC-OSAA	8.51	ACMP Metal Box (RSW)	TR1606	6/16/16	8.51	2 SWBs	MW16800067 MW16800068

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M-091-47C	**Extra Volume Carried Forward From Meeting M-091-47B =**								**13.5**		
M-091-47C	TC140	6/30/16	2345Z9-20	CWC-OSAA	43.47	FRP (RSW)	TR1608	8/4/16	43.47	8 SWBs	MW16800074 MW16800075 MW16800076 MW16800077 MW16800078 MW16800079 MW16800080 MW16800081
M-091-47C	TC143	7/14/16	092209W4BT11-1	CWC-OSAA	4.16	ACMP Metal Box (RSW)	TR1609	9/1/16	4.16	1 SWB	MW16800082
M-091-47C	TC144	7/21/16	W4BT11-0052	CWC-OSAA	3.82	ACMP IP-1 Bagged Glovebox (RSW)	TR1610	9/1/16	3.82	3 SWBs	MW16800084 MW16800085 MW16800086
M-091-47C	TC145	7/28/16	021009W4BT7-5	CWC-OSAA	14.39	ACMP Metal Box (RSW)	TR1611	9/1/16	14.39	3 SWBs	MW16800088 MW16800089 MW16800090
M-091-47C	TC146	8/11/16	ZBB78202	CWC-OSAA	54.40	ACMP FRP (RSW)	TR1612	9/29/16	54.40	8 SWBs	MW16800091 MW16800092 MW16800093 MW16800094 MW16800095 MW16800096 MW16800097 MW16800098
M-091-47C	TC147	8/18/16	W4BT11-0050	CWC-OSAA	3.70	ACMP Metal Box (RSW)	TR1613	9/29/16	3.70	1 SWB	MW16800101
M-091-47C	TC148	8/25/16	W4BT11-0053	CWC-OSAA	3.82	ACMP IP-1 Bagged Glovebox (RSW)	TR1614	11/3/16	3.82	2 SWBs	MW16800099 MW16800100

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M-091-47C	**Extra Volume Carried Forward From Meeting M-091-47B =**								**13.5**		
M-091-47C	TC149	9/8/16	241Z8-23	CWC-OSAA	43.47	ACMP FRP (RSW)	TR1615	10/21/16	43.47	9 SWBs	MW16800102 MW16800103 MW16800104 MW16800105 MW16800106 MW16800107 MW16800108 MW16800109 MW16800110
M-091-47C	TC150	9/15/16	021009W4BT7-1	CWC-OSAA	17.94	ACMP Metal Box (RSW)	TR1616	11/3/16	17.94	4 SWBs	MW16800111 MW16800112 MW16800113 MW16800114
Total M-091-47 Waste Volume Completed (as-of 11/3/2016) =									**840.8**		
Total Counting Toward M-091-47A (Completed 9/10/2015) =									**280.0**		
Total Counting Toward M-091-47B (Completed 2/11/2016) =									**280.0**		
Total Counting Toward M-091-47C (Completed 11/3/2016) =									**280.0**		
Extra Volume to Carried Forward in Meeting M-091-47D =									**0.8**		

[1] Completed waste volume is based on the original parent waste package volume.