

Compliance Recertification Application /Deferred Performance Assessment (DPA) – 2019 Crosswalk					
CRA-2019 Reference to DPA – 2019					DPA – 2019
Section/Appendix	Author	Reference to DPA?	Section /Page	Text referencing the DPA and/or Brief Description of Topic To Be Addressed in DPA	Where Addressed in DPA (Appendix, Section, Page number as applicable)
Executive Summary	S. Kouba / T. Zeitler	Yes	1.0/ ExecSum-2	Certain technical concerns and recommendations will be submitted with the DPA documents.	Applicable sections and page numbers in all DPA Appendices, as described below.
			1.3 PA Results/ ExecSum-5	Commits to, "CRA-2019 crosswalk outlining where information is located for the applicable requirements of 40 CFR 194."	Submission of this Crosswalk is documented in the DPA transmittal letter.
Structure of the CRA	S. Kouba	Yes	1.0 / Structure-2	References four DPA appendices will be submitted, Appendices MASS, PA, PORSURF and SCR.	Appendices MASS, PA AND SCR are submitted with the DPA package. Appendix PORSURF was not updated as there were no changes since PORSURF-2014. Appendix PORSURF-2014 is referenced in the Deferred PA.
Section 8	V. Hall	No	NA	NA	NA
Section 15	R. Watson	Yes	15.3.3.1 / 15-5	"A detailed description of the current conditions and assumptions used in the PA will be provided in that deferred PA submittal."	Appendices GEOCHEM, MASS, PA, SCR and SOTERM provide the detailed descriptions addressing this topic.
Section 15	R. Watson	Yes	15.3.6 / 15-9	"The information in this section and in other sections and appendices of the CRA-2019, and in the deferred PA, will establish that the DOE continues to demonstrate compliance with the requirements of 40 CFR 194.15."	Appendices GEOCHEM, MASS, PA, SCR and SOTERM provide the detailed descriptions addressing this topic.
Section 15	R. Watson	Yes	15.3.9 / 15-9	"The information in this section and in other sections and appendices of the CRA-2019, and in the deferred PA will establish that the DOE continues to	Appendices GEOCHEM, MASS, PA, SCR and SOTERM provide the detailed descriptions addressing this topic.

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				demonstrate compliance with the requirements of 40 CFR 194.15."	
Section 21	L. Madl	No	NA	NA	NA
Section 22	V. Hall	No	NA	NA	NA
Section 23	S. Wagner for B. Day	Yes	23.2	Changes to PA Models and Codes	Appendix PA, Section PA-1.0 & 2.0 (Code Changes: Appendix PA, Section PA-1.1.16)
Section 24	J. Callicoa	Yes	24.3.2 / 24-7	Several requirements associated with performance assessment were rolled into a single section. These requirements include 40 CFR 194.24 (b)(1), (b)(2), (b)(3), (c)(1), (d), (e)(1), (e)(2), and (f).	(b)(1) - Appendix PA Section PA-1.1.12 (waste characteristic parameters), Kicker (2019) (radioactivity in Curies), Domski and Sisk-Scott (2019) (solubility and organic ligands), Appendix PA Sections PA-1.1.3 and PA-1.1.5 (production of gas from waste), Appendix PA Section PA-1.1.12 (parameters related to metals, CPR, and oxyanions), and Appendix PA Section PA-1.1.6 (waste shear strength). (b)(2), (c)(1), e(1) and e(2) – Van Soest (2018), CRA-2014, 40 CFR 194.24 pg. 24-44 and 24-45 (b)(3) – This was addressed in the CCA, Appendix WCA (Waste Characteristics Analysis). (DOE 1996 CCA Appendix WCA) (d) and (f) – Kicker (2019)

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Section 25	R. Kirkes	Yes	Section 25.3.1 / 25-2	Promises an update to Appendix SCR.	All of Appendix SCR-2019
Section 26	S. Wagner / V. Hall	No	NA	NA	NA
Section 27	V. Hall	No	NA	NA	NA
Section 31	T. Zeitler	Yes	31.3 / 31-2	Release limit calculation	Appendix PA, Section PA-2.2.1; Kicker (2019), Section 2 (Kicker, D. 2019. Radionuclide Inventory Screening Analysis for the 2019 Compliance Recertification Application Performance Assessment (CRA-2019 PA). ERMS 571659. Carlsbad, NM: Sandia National Laboratories.)
Section 32	R. Kirkes	Yes	32.2 / 32-3	Promises an update to Appendix SCR.	All of Appendix SCR-2019
Section 33	R. Kirkes	No	N/A	N/A	N/A
Section 34	T. Zeitler	Yes	34.2.2 / 34-2	Releases calculated as CCDFs	Appendix PA, Section PA-9.5
Section 34	T. Zeitler	Yes	34.3.2 / 34-3	Parameter probability distributions	Appendix PA, Sections 2.2.4 and 5; Kim and Feng (2019), Section 3 and App. A (Kim, S., and L. Feng. 2019. Input Parameter Report for the 2019 Compliance Recertification Application Performance Assessment (CRA-2019 PA). ERMS 571377. Carlsbad, NM: Sandia National Laboratories.)
Section 34	T. Zeitler	Yes	34.4.2 / 34-3	Parameter sampling technique	Appendix PA, Sections 2.2.4 and 5; Kim and Feng (2019), Section 3 and App. A (Kim, S., and L. Feng. 2019. Input Parameter Report for the 2019 Compliance Recertification Application Performance Assessment (CRA-2019 PA). ERMS 571377. Carlsbad, NM: Sandia National Laboratories.)

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Section 34	T. Zeitler	Yes	34.5.2 / 34-4	Number of CCDFs	Appendix PA, Sections 2.1.3 and 2.2.4
Section 34	T. Zeitler	Yes	34.6.2 / 34-4	Display full range of CCDFs	Appendix PA, Section PA-9.5
Section 34	T. Zeitler	Yes	34.7.2 / 34-5	Meeting containment requirements	Appendix PA, Section PA-9.5
Section 41	T. Klein	No	NA	NA	NA
Section 42	L. Madl	No	NA	NA	NA
Section 43	T. Klein	No	NA	NA	NA
Section 44	S. Wagner	No	NA	NA	NA
Section 45	R. Kirkes	Yes	45.3 / 45-2	Generic reference to "updated PA."	All of Appendix PA.
Section 46	S. Wagner	No	NA	NA	NA
Section 51-52	S. Wagner	Yes	51/52.3 / 51/52-2	Protected Individual and Exposure Pathway calculations for 40CFR191.15 Individual Protection requirements	PA Summary Report Section 5.2.8; Appendix PA Section 8.4.2, Sarathi 2019 Section 4.4
Section 53	S. Wagner	No	NA	NA	NA
Section 54	S. Wagner	Yes	54.3 / 54-2	Scope of Compliance Assessment	PA Summary Report Section 5.2.8; Appendix PA Section 8.4.2, Sarathi 2019 Section 4.4
Section 55	S. Wagner	Yes	55.3 / 55-2	Results of Compliance Assessment	PA Summary Report Section 5.2.8; Appendix PA Section 8.4.2, Sarathi 2019 Section 4.4
App. AUD	V. Hall	No	NA	NA	NA
App. DATA	R. Watson	No	NA	NA	NA
App. HYDRO	A. Hayes	No	NA	NA	NA

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App. IGP	S. Wagner	Yes	IGP-1.0 / IGP-1	Individual and Groundwater Protection including Underground Sources of Drinking Water	PA Summary Report Section 5.2.8; Appendix PA Section 8.4.2, Sarathi 2019 Section 4.4
App. MgO	S. Wagner for Y. Xiong	No	NA	NA	NA
Other changes found in DPA information that are related to Appendix MgO	S. Wagner for Y. Xiong		MgO-4.2.1/ MgO-7	Uncertainty in Hydromagnesite Conversion Rate	GEOCHEM-2.4.4/ PA-1.1.8
Other changes found in DPA information that are related to Appendix MgO	S. Wagner			Correction of Log K error	GEOCHEM-3.3.4
App. Mon	L. Madl	No	NA	NA	NA
App. TFIELD	A. Hayes	No	NA	NA	NA