QA:NA

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Total System Performance Assessment - Analyses for Disposal of Commercial and DOE Waste Inventories at Yucca Mountain – Input to Final Environmental Impact Statement and Site Suitability Evaluation, Rev. 00 ICN 01

Replace existing Table 6-4 with the following Table 6-4:

Table 6-4 Maximum Mean Dose to Critical Organs in 10,000 years for ^{99}Tc , ^{14}C , ^{129}I , and Total of All Beta- and Photon-Emitting Radionuclides

Maximum Mean Dose to Critical Organs in 10,000 years (mrem/yr)					
Case	Model File	Tc-99	C-14	I-129	Total ¹
70,000 MTHM, HTOM	SE01_006nm6	1.3E-05	2.1E-07	1.0E-05	2.3E-05
70,000 MTHM, LTOM	SE01_007nm6	6.7E-06	1.9E-07	7.6E-06	1.3E-05
Human Intrusion 30k-yr Event, HTOM	SE01_001hm6	N/A	N/A	N/A	N/A
Human Intrusion 100-yr Event, HTOM	SE01_002hm6	2.4E-03	8.4E-05	2.5E-03	5.0E-03

N/A = Not Applicable

These data are based on an Annual Water Usage equal to 3000 acre-ft/yr

¹Total values represent a bounding (overestimate) of the maximum dose to any organ because the different radionuclides would affect different organs preferentially.

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Total System Performance Assessment Sensitivity Analyses for Final Nuclear Regulatory Commission Regulations, Rev. 00

Replace existing Table 6-3 with the following Table 6-3:

Table 6-3 Maximum Mean Dose to Critical Organs in 10,000 years for ⁹⁹Tc, ¹⁴C, and ¹²⁹I by Scenario

Maximum Mean Dose to Critical Organs in 10,000 years (mrem/yr)					
Case	Model File	Tc-99	C-14	I-129	Total ¹
Nominal, 70,000 MTHM, HTOM	SE01_006nm6	1.3E-05	2.1E-07	1.0E-05	2.3E-05
Nominal, 70,000 MTHM, LTOM	SE01_007nm6	6.7E-06	1.9E-07	7.6E-06	1.3E-05
Igneous Intrusive Activity, 70,000 MTHM, HTOM	SE01_003im5	6.9E-02	1.9E-03	2.0E-01	2.5E-01
Igneous Intrusive Activity, 70,000 MTHM, LTOM	SE01_004im5	6.3E-02	2.0E-03	1.9E-01	2.4E-01
These data are based on a representative water volume equal to 3000 acre-ft/yr.					
¹ Total values represent a bounding (overestimate) of the maximum dose to any organ because the different radionuclides would affect different organs preferentially.					