

TABLE IV-7

Radionuclide Content of Decontaminated Salt
(10-year-old waste)

<i>Radionuclide</i>	<i>Concentration (nCi/g)</i>	
	<i>Chemically Measured</i>	<i>Computer-Calculated</i>
³ H	NA ^c	57
⁶⁰ Co	NA ^c	390
⁹⁰ Sr-Y ^a	2	9
⁹⁹ Tc	125	220
¹⁰⁶ Ru-Rh ^b	287,000	100,000
¹²⁹ I	NA ^c	0.04
¹³⁷ Cs-Ba ^a	100	480
¹⁴⁴ Ce-Pr ^b	109 ^d	220 ^d
¹⁴⁷ Pm ^b	100 ^d	5200 ^d
¹⁵¹ Sm	<10 ^d	116 ^d
¹⁵⁴ Eu	71 ^d	510 ^d
²³⁸ Pu ^a	9	0.9
²³⁹ Pu ^a	0.3	0.02
²⁴⁰ Pu ^a	0.3	0.02
²⁴¹ Pu ^a	2	3.5
²⁴¹ Am ^a	0.5	0.03

- a. With decontamination factors assumed Cs 10⁴, Sr 10³, actinides 10² (165 for computer-calculated concentrations).
- b. Decay of short-lived radionuclide may contribute to differences in computer-calculated and chemically measured concentrations.
- c. Not analyzed.
- d. Concentrations of rare-earth fission products should be reduced by a factor of 10² (165) during decontamination operations.