

**Table A2.2
Results Summary – Hypothetical Post-Fire Recovery Scenarios**

Isotope	Maximum Estimated Annual Concentration (pCi/m ³) ^{a,b}		Factor for Conversion of pCi/m ³ to mrem	Maximum Estimated Annual EDE (mrem) ^{a,b}	
	On-Site/ Worker	Off-Site/ Public		On-Site/ Worker	Off-Site/ Public
Post-Accelerated Action Base Case					
Plutonium-239/240	2.56E-05	3.64E-07	5,000	1.28E-01	1.82E-03
Americum-241	5.10E-06	7.25E-08	5,263	2.68E-02	3.82E-04
Uranium-233/234 ^c	3.82E-05	9.93E-07	1,299	4.96E-02	1.29E-03
Uranium-235 ^c	5.55E-06	1.44E-07	1,408	7.81E-03	2.03E-04
Uranium-238 ^c	1.33E-04	3.46E-06	1,205	1.61E-01	4.17E-03
Post-Accelerated Action - Hypothetical Spring Fire Recovery					
Plutonium-239/240	1.97E-04	1.98E-06	5,000	9.85E-01	9.90E-03
Americum-241	3.94E-05	3.95E-07	5,263	2.07E-01	2.08E-03
Uranium-233/234 ^c	1.14E-04	2.25E-06	1,299	1.48E-01	2.92E-03
Uranium-235 ^c	1.66E-05	3.26E-07	1,408	2.33E-02	4.59E-04
Uranium-238 ^c	3.98E-04	7.84E-06	1,205	4.80E-01	9.44E-03
Post-Accelerated Action - Hypothetical Fall Fire Recovery					
Plutonium-239/240	3.14E-04	3.38E-06	5,000	1.57	1.69E-02
Americum-241	6.28E-05	6.75E-07	5,263	3.31E-01	3.55E-03
Uranium-233/234 ^c	1.69E-04	3.44E-06	1,299	2.20E-01	4.47E-03
Uranium-235 ^c	2.46E-05	5.00E-07	1,408	3.46E-02	7.03E-04
Uranium-238 ^c	5.89E-04	1.20E-05	1,205	7.10E-01	1.45E-02

^a “Off site” refers to locations outside RFETS property fenceline location.

^b Does not include contributions from background sources.

^c Uranium increases scaled from particulate matter increases.