

TABLE 37.
PEAK RADIONUCLIDE CONCENTRATIONS AND TIME TO EXCEED GWPL AT THE WATER TABLE,
VERTICAL PATHRAE RESULTS FOR CAW CELL SIDE SLOPE (0.335 CM/YR INFILTRATION)

NUCLIDE	TIME TO EXCEED (Year)	PEAK CONCENTRATION (Ci/m ³)	PEAK CONCENTRATION (pCi/L)	PEAK YEAR
Ac-227	-1	0		> 10,000
Ag-108m	-1	0		> 10,000
Al-26	-1	0		> 10,000
Am-241	-1	0		> 10,000
Am-242m	-1	0		> 10,000
Am-243	-1	0		> 10,000
Ba-133	-1	0		> 10,000
Be-10	-1	0		> 10,000
Bi-207	-1	0		> 10,000
Bi-210m	-1	0		> 10,000
Bk-247	480	3.42E-03	3.42E+06	1,414
C-14	-1	0		> 10,000
Ca-41	700	3.39E+04	3.39E+13	2,550
Cd-113	-1	0		> 10,000
Cd-113m	-1	0		---
Cf-249	-1	0		> 10,000
Cf-250	-1	0		---
Cf-251	-1	0		> 10,000
Cf-252	-1	0		---
Cl-36	400	2.27E+04	2.27E+13	1,492
Cm-243	-1	0		> 10,000
Cm-244	-1	0		> 10,000
Cm-245	-1	0		> 10,000
Cm-246	-1	0		> 10,000
Cm-247	-1	0		> 10,000
Cm-248	-1	0		> 10,000
Co-60	-1	0		> 10,000
Cs-135	-1	0		> 10,000
Cs-137	-1	0		> 10,000
Eu-152	-1	0		> 10,000
Eu-154	-1	0		> 10,000
Eu-155	-1	0		> 10,000
Fe-55	-1	0		---
Fe-60	-1	0		> 10,000
Gd-148	-1	0		> 10,000
H-3	-1	0		---
Hg-194	-1	0		> 10,000
Ho-166m	-1	0		> 10,000
I-129	-1	1.24E-03	1.24E+06	4,118
Ks-20	-1	0		---
Ks-21	-1	0		---
Ks-22	-1	0		---
Ks-23	-1	0		---
Ks-24	-1	0		> 10,000
Ks-25	-1	0		> 10,000
Ks-26	-1	0		---
Mn-53	-1	0		> 10,000
Na-22	-1	0		---
Nb-91	-1	0		> 10,000
Nb-92	-1	0		> 10,000
Nb-93m	-1	0		---
Nb-94	-1	0		> 10,000
Ni-59	-1	0		> 10,000
Ni-63	-1	0		> 10,000
Np-237	-1	0		> 10,000
Os-194	-1	0		> 10,000
Pa-231	-1	0		> 10,000
Pb-202	-1	0		> 10,000
Pb-210	-1	0		> 10,000
Pd-107	-1	0		> 10,000
Pm-145	-1	0		> 10,000
Pm-147	-1	0		> 10,000
Po-208	-1	0		> 10,000
Po-209	-1	0		> 10,000
Pt-193	-1	0		> 10,000
Pu-236	-1	0		> 10,000
Pu-238	-1	0		> 10,000
Pu-239	-1	0		> 10,000
Pu-240	-1	0		> 10,000
Pu-241	-1	0		> 10,000
Pu-242	-1	0		> 10,000
Pu-244	-1	0		> 10,000
Ra-226	-1	0		---
Ra-228	-1	0		> 10,000
Re-187	-1	1.24E-02	1.24E+07	3,110
Se-79	-1	0		> 10,000
Si-32	-1	0	1.42E+05	4,584
Sm-151	-1	0		> 10,000
Sn-121m	-1	0		> 10,000
Sn-126	-1	0		> 10,000
Sr-90	-1	4.36E-18	4.36E-09	1,037
Tb-157	-1	0		> 10,000
Tb-158	-1	0		> 10,000
Tc-99	-1	4.84E-02	4.84E+07	3,891
Te-123	-1	0		> 10,000
Th-229	-1	0		> 10,000
Th-230	-1	0		> 10,000
Th-232	-1	0		> 10,000
Ti-44	-1	0		> 10,000
Tl-204	-1	0		---
Tm-170	-1	0		> 10,000
U-232	-1	0		> 10,000
U-233	-1	0		> 10,000
U-234	-1	0		> 10,000
U-235	-1	0		> 10,000
U-236	-1	0		> 10,000
U-238	-1	0		> 10,000
V-50	-1	0		> 10,000
Zr-93	-1	0		> 10,000

NOTES: -1 indicates that nuclide did not exceed standard within the 1,000 years modeled
--- indicates that concentrations do not peak at the water table within 10,000 yrs