

TABLE 34.
PEAK RADIONUCLIDE CONCENTRATIONS AND TIME TO EXCEED GWPL AT THE WATER TABLE,
VERTICAL PATHRAE RESULTS FOR CAW CELL TOP SLOPE (0.238 CMYR 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		---
Bi-210m	-1	0		> 10,000
Bk-247	340	8.20E-03	8.20E+06	1,025
C-14	-1	0		> 10,000
Ca-41	500	6.68E+04	6.68E+13	1,847
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	290	4.47E+04	4.47E+13	1,073
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	2.42E-03	2.42E+06	2,987
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		> 10,000
Ra-228	-1	0		> 10,000
Re-187	-1	2.43E-02	2.43E+07	2,256
Se-79	-1	0		> 10,000
Si-32	-1	0	5.10E+07	3,765
Sm-151	-1	0		> 10,000
Sn-121m	-1	0		> 10,000
Sn-126	-1	0		> 10,000
Sr-90	-1	1.16E-14	1.16E-05	859
Tb-157	-1	0		> 10,000
Tb-158	-1	0		> 10,000
Tc-99	-1	9.51E-02	9.51E+07	2,826
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
Ti-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