

TABLE 40. RADIONUCLIDE CONCENTRATIONS (pCi/L) AT THE COMPLIANCE WELL,
HORIZONTAL PATHRAE MODEL RESULTS FOR CAW CELL TOP SLOPE (0.238 CM/YEAR INFILTRATION)

	EXCEEDS	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320							
Bk-247	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.4E-11	1.1E-10	3.0E-10	7.9E-10	1.9E-09	4.3E-09	9.6E-09	2.1E-08	4.5E-08							
Ca-41	580	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
Cl-36	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
H-3	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
I-129	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Re-187	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sr-90	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tc-99	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: Year to exceed GWPL reported to next lowest model output year. -1 indicates nuclide does not exceed GWPL within the 2,000 years modeled

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HORIZONTAL PATHRAE MODEL RESULTS FOR CAW CELL TOP SLOPE (0.238 CM/YEAR INFILTRATION)**

	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475
Bk-247	1.0E-07	2.3E-07	5.0E-07	1.0E-06	2.0E-06	3.7E-06	6.7E-06	1.2E-05	2.0E-05	3.5E-05	5.8E-05	9.7E-05	1.6E-04	2.5E-04	4.0E-04	6.3E-04	9.8E-04	1.5E-03	2.2E-03	3.3E-03	4.9E-03	7.1E-03	1.0E-02	1.5E-02	2.1E-02	2.9E-02	4.1E-02	5.6E-02	7.6E-02	1.0E-01	1.4E-01
Ca-41	0	0	1.1E-11	5.2E-11	1.8E-10	5.4E-10	1.6E-09	4.4E-09	1.2E-08	3.1E-08	7.9E-08	2.0E-07	4.8E-07	1.1E-06	2.6E-06	6.0E-06	1.3E-05	3.0E-05	6.3E-05	1.3E-04	2.7E-04	5.5E-04	1.1E-03	2.2E-03	4.2E-03	8.1E-03	1.5E-02	2.8E-02	5.3E-02	9.3E-02	1.7E-01
Cl-36	1.9E-04	4.4E-04	9.7E-04	2.0E-03	4.0E-03	7.7E-03	1.4E-02	2.5E-02	4.5E-02	7.8E-02	1.3E-01	2.2E-01	3.7E-01	6.0E-01	9.6E-01	1.5E+00	2.4E+00	3.8E+00	5.6E+00	7.8E+00	1.0E+01	1.3E+01	1.5E+01	2.0E+01	2.8E+01	4.4E+01	7.1E+01	1.1E+02	1.7E+02	2.6E+02	3.8E+02
H-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I-129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Re-187	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sr-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tc-99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**TABLE 40. RADIONUCLIDE CONCENTRATIONS (pCi/L) AT THE COMPLIANCE WELL,
HORIZONTAL PATHRAE MODEL RESULTS FOR CAW CELL TOP SLOPE (0.238 CM/YEAR INFILTRATION)**

	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625
Bk-247	1.9E-01	2.5E-01	3.2E-01	4.2E-01	5.5E-01	7.1E-01	9.1E-01	1.2E+00	1.5E+00	1.8E+00	2.3E+00	2.9E+00	3.6E+00	4.4E+00	5.4E+00	6.6E+00	8.1E+00	9.8E+00	1.2E+01	1.4E+01	1.7E+01	2.0E+01	2.4E+01	2.8E+01	3.3E+01	3.8E+01	4.5E+01	5.2E+01	5.9E+01	6.9E+01
Ca-41	2.9E-01	5.1E-01	8.8E-01	1.5E+00	2.5E+00	4.2E+00	6.9E+00	1.1E+01	1.8E+01	2.9E+01	4.6E+01	7.2E+01	1.1E+02	1.7E+02	2.7E+02	4.1E+02	6.1E+02	9.2E+02	1.3E+03	2.0E+03	2.9E+03	4.2E+03	6.1E+03	8.6E+03	1.2E+04	1.7E+04	2.5E+04	3.4E+04	4.7E+04	6.6E+04
Cl-36	5.2E+02	7.2E+02	1.0E+03	1.3E+03	1.8E+03	2.3E+03	3.1E+03	4.0E+03	5.1E+03	6.6E+03	8.4E+03	1.1E+04	1.3E+04	1.7E+04	2.1E+04	2.5E+04	3.1E+04	3.8E+04	4.7E+04	5.7E+04	6.9E+04	8.2E+04	9.8E+04	1.2E+05	1.4E+05	1.6E+05	1.9E+05	2.3E+05	2.7E+05	3.1E+05
H-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I-129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Re-187	0	0	0	0	0	0	4.2E-11	8.7E-11	1.6E-10	3.0E-10	5.5E-10	9.4E-10	1.6E-09	2.8E-09	4.8E-09	8.0E-09	1.3E-08	2.2E-08	3.5E-08	5.7E-08	9.3E-08	1.5E-07	2.3E-07	3.6E-07	5.5E-07	8.6E-07	1.3E-06	2.0E-06	3.0E-06	4.4E-06
Sr-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tc-99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.6E-11	6.9E-11

**TABLE 40. RADIONUCLIDE CONCENTRATIONS (pCi/L) AT THE COMPLIANCE WELL,
HORIZONTAL PATHRAE MODEL RESULTS FOR CAW CELL TOP SLOPE (0.238 CM/YEAR INFILTRATION)**

	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	
Bk-247	7.8E+01	9.1E+01	1.0E+02	1.2E+02	1.3E+02	1.5E+02	1.7E+02	1.9E+02	2.1E+02	2.4E+02	2.7E+02	3.0E+02	3.3E+02	3.7E+02	4.0E+02	4.4E+02	4.9E+02	5.4E+02	5.9E+02	6.5E+02	7.1E+02	7.8E+02	8.6E+02	9.6E+02	1.0E+03	1.2E+03	1.2E+03	1.4E+03	1.4E+03	1.5E+03	
Ca-41	9.1E+04	1.2E+05	1.7E+05	2.3E+05	3.1E+05	4.1E+05	5.4E+05	7.2E+05	9.5E+05	1.3E+06	1.6E+06	2.2E+06	2.8E+06	3.6E+06	4.6E+06	5.9E+06	7.4E+06	9.4E+06	1.2E+07	1.5E+07	1.9E+07	2.5E+07	3.2E+07	4.2E+07	5.3E+07	6.7E+07	8.5E+07	1.1E+08	1.3E+08	1.6E+08	
Cl-36	3.6E+05	4.1E+05	4.8E+05	5.5E+05	6.4E+05	7.2E+05	8.3E+05	9.4E+05	1.1E+06	1.2E+06	1.4E+06	1.5E+06	1.7E+06	1.9E+06	2.1E+06	2.4E+06	2.6E+06	2.9E+06	3.2E+06	3.6E+06	3.9E+06	4.4E+06	4.9E+06	5.5E+06	6.1E+06	6.8E+06	7.3E+06	8.1E+06	8.8E+06	9.5E+06	
H-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I-129	0	0	0	0	0	0	0	0	0	0	0	0	0	2.3E-11	5.8E-11	9.9E-11	1.5E-10	2.4E-10	3.7E-10	5.5E-10	8.1E-10	1.3E-09	2.0E-09	3.1E-09	4.9E-09	7.4E-09	1.1E-08	1.7E-08	2.4E-08	3.5E-08	
Re-187	6.6E-06	9.7E-06	1.4E-05	2.1E-05	3.0E-05	4.3E-05	6.1E-05	8.8E-05	1.2E-04	1.7E-04	2.4E-04	3.4E-04	4.8E-04	6.6E-04	8.9E-04	1.2E-03	1.7E-03	2.3E-03	3.0E-03	4.1E-03	5.4E-03	7.4E-03	1.0E-02	1.5E-02	2.0E-02	2.7E-02	3.6E-02	4.8E-02	6.3E-02	8.2E-02	
Sr-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tc-99	1.2E-10	2.0E-10	3.4E-10	5.6E-10	9.0E-10	1.4E-09	2.3E-09	3.6E-09	5.5E-09	8.6E-09	1.3E-08	2.0E-08	3.0E-08	4.5E-08	6.8E-08	1.0E-07	1.5E-07	2.2E-07	3.2E-07	4.7E-07	6.7E-07	9.9E-07	1.5E-06	2.3E-06	3.5E-06	5.2E-06	7.7E-06	1.1E-05	1.6E-05	2.2E-05	

**TABLE 40. RADIONUCLIDE CONCENTRATIONS (pCi/L) AT THE COMPLIANCE WELL,
HORIZONTAL PATHRAE MODEL RESULTS FOR CAW CELL TOP SLOPE (0.238 CM/YEAR INFILTRATION)**

	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925
Bk-247	1.7E+03	1.7E+03	1.9E+03	2.0E+03	2.1E+03	2.2E+03	2.3E+03	2.4E+03	2.6E+03	2.7E+03	2.9E+03	3.0E+03	3.2E+03	3.4E+03	3.5E+03	3.7E+03	3.8E+03	4.0E+03	4.1E+03	4.3E+03	4.5E+03	4.6E+03	4.8E+03	4.9E+03	5.1E+03	5.2E+03	5.4E+03	5.6E+03	5.8E+03	5.8E+03
Ca-41	2.0E+08	2.4E+08	2.8E+08	3.4E+08	4.1E+08	4.9E+08	5.8E+08	6.9E+08	8.1E+08	9.6E+08	1.1E+09	1.3E+09	1.6E+09	1.9E+09	2.3E+09	2.7E+09	3.1E+09	3.6E+09	4.2E+09	4.9E+09	5.7E+09	6.5E+09	7.5E+09	8.6E+09	9.8E+09	1.1E+10	1.3E+10	1.4E+10	1.6E+10	1.9E+10
Cl-36	1.0E+07	1.1E+07	1.2E+07	1.3E+07	1.3E+07	1.4E+07	1.5E+07	1.6E+07	1.7E+07	1.8E+07	1.9E+07	2.0E+07	2.2E+07	2.3E+07	2.4E+07	2.6E+07	2.7E+07	2.8E+07	3.0E+07	3.1E+07	3.2E+07	3.4E+07	3.5E+07	3.7E+07	3.8E+07	4.0E+07	4.1E+07	4.3E+07	4.5E+07	4.6E+07
H-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I-129	4.9E-08	6.9E-08	9.7E-08	1.3E-07	1.8E-07	2.5E-07	3.4E-07	4.6E-07	6.4E-07	8.6E-07	1.1E-06	1.5E-06	2.1E-06	2.8E-06	3.8E-06	5.2E-06	6.9E-06	9.2E-06	1.2E-05	1.6E-05	2.1E-05	2.7E-05	3.4E-05	4.4E-05	5.6E-05	7.1E-05	9.1E-05	1.2E-04	1.5E-04	1.8E-04
Re-187	1.1E-01	1.4E-01	1.7E-01	2.2E-01	2.8E-01	3.5E-01	4.3E-01	5.4E-01	6.7E-01	8.4E-01	1.0E+00	1.3E+00	1.6E+00	2.0E+00	2.5E+00	3.1E+00	3.7E+00	4.6E+00	5.8E+00	7.0E+00	8.3E+00	9.9E+00	1.2E+01	1.4E+01	1.7E+01	2.0E+01	2.4E+01	2.8E+01	3.3E+01	4.0E+01
Sr-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tc-99	3.1E-05	4.3E-05	5.7E-05	8.0E-05	1.1E-04	1.4E-04	1.9E-04	2.5E-04	3.4E-04	4.5E-04	5.9E-04	7.8E-04	1.0E-03	1.4E-03	1.8E-03	2.5E-03	3.2E-03	4.2E-03	5.4E-03	7.1E-03	9.1E-03	1.2E-02	1.5E-02	1.8E-02	2.3E-02	3.0E-02	3.7E-02	4.5E-02	5.7E-02	7.1E-02

TABLE 40. RADIONUCLIDE CONCENTRATIONS (pCi/L) AT THE COMPLIANCE WELL,
HORIZONTAL PATHRAE MODEL RESULTS FOR CAW CELL TOP SLOPE (0.238 CM/YEAR INFILTRATION)

	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000	1010	1020	1030	1040	1050	1060	1070	1080	1100	1300	1500	2000	
Bk-247	6.1E+03	6.1E+03	6.3E+03	6.5E+03	6.6E+03	6.7E+03	6.9E+03	7.0E+03	7.2E+03	7.4E+03	7.4E+03	7.5E+03	7.7E+03	7.7E+03	7.8E+03	8.1E+03	8.3E+03	8.3E+03	8.0E+03	7.4E+03	6.5E+03	5.6E+03	4.8E+03	3.1E+03	1.9E+01	9.2E-02	2.0E-07	
Ca-41	2.1E+10	2.4E+10	2.6E+10	3.0E+10	3.3E+10	3.8E+10	4.3E+10	4.7E+10	5.3E+10	5.9E+10	6.5E+10	7.3E+10	7.9E+10	8.9E+10	9.8E+10	1.2E+11	1.5E+11	1.8E+11	2.0E+11	2.2E+11	2.3E+11	2.3E+11	2.1E+11	1.7E+11	4.3E+09	6.9E+07	2.5E+03	
Cl-36	4.8E+07	4.9E+07	5.1E+07	5.2E+07	5.4E+07	5.5E+07	5.8E+07	6.0E+07	6.0E+07	6.1E+07	6.2E+07	6.4E+07	6.6E+07	6.8E+07	6.9E+07	7.2E+07	7.5E+07	7.8E+07	7.5E+07	7.1E+07	6.4E+07	5.5E+07	4.7E+07	3.2E+07	2.2E+05	1.2E+03	3.8E-03	
H-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I-129	2.3E-04	2.9E-04	3.7E-04	4.5E-04	5.7E-04	7.1E-04	8.7E-04	1.1E-03	1.3E-03	1.6E-03	2.0E-03	2.4E-03	3.0E-03	3.5E-03	4.4E-03	6.4E-03	9.3E-03	1.4E-02	1.9E-02	2.5E-02	3.0E-02	3.4E-02	3.8E-02	3.9E-02	3.8E-03	1.7E-04	5.7E-08	
Re-187	4.6E+01	5.4E+01	6.4E+01	7.4E+01	8.7E+01	1.0E+02	1.2E+02	1.4E+02	1.6E+02	1.8E+02	2.1E+02	2.5E+02	2.8E+02	3.2E+02	3.8E+02	4.8E+02	6.3E+02	8.1E+02	1.0E+03	1.2E+03	1.3E+03	1.4E+03	1.3E+03	1.2E+03	5.2E+01	1.2E+00	1.2E-04	
Sr-90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tc-99	8.8E-02	1.1E-01	1.3E-01	1.6E-01	2.0E-01	2.4E-01	3.0E-01	3.6E-01	4.5E-01	5.3E-01	6.5E-01	7.8E-01	9.3E-01	1.1E+00	1.4E+00	1.9E+00	2.8E+00	4.0E+00	5.3E+00	6.9E+00	8.2E+00	9.1E+00	9.9E+00	1.0E+01	8.1E-01	3.1E-02	8.5E-06	