Table 4-8. Peak Concentrations at 100-Meter Well *for No Action, K-Area*

Waste management facility	Site number	PATHRAE peak concentrations[a]				
		Chemicals (mg/L)			Radionuclides (pCi/L)	
		Pb	Trichloro-ethylene	Tetrachloro-ethylene	H-3	
K-Area burning/rubble pit[b]	8-1	0.038 (1982)	1.8[c] (1983)	(d)	(d)	TC
K-Area acid/caustic basin[b]	8-2	0.054[c] (1971)	(d)	0.094[c] (1972)	(d)	
K-Area seepage basin	8-4	(d)	(d)	(d)	4.4×10^{6}[(c)] (1967)	
Sum of concentrations		0.092[c]	1.8[c]	0.094[c]	4.4×10^{6}[(c)]	TC
Standard[e]		0.05	0.005	0.0007	87,000	

[a]Year of peak concentration shown in parentheses; years prior to 1985 are indications of present concentration.
[b]Concentrations are from PATHRAE modeling for largest inventory waste management unit in this functional grouping; actual peak concentrations are dependent on the inventory of this unit.
[c]Concentration exceeds regulatory standard.
[d]Constituent did not meet threshold selection criteria for PATHRAE modeling.
[e]Source: Pb, and trichloroethylene (EPA, 1985a, 1987); tetrachloroethylene (EPA, 1985b). ICRP Publication 30 (ICRP, 1978) methodology was used to determine concentrations that yield an annual effective whole body dose of 4 millirem. TC

Table 4-9. Peak Concentrations at 100-Meter Well for No Action, L-Area

Waste management facility	Site number	PATHRAE peak concentrations[a]												
		Chemicals (mg/L)											Radionuclide (pCi/L)	
		Cr	Pb	Benzene	Chloro-ethylene	2,4-D	Dichloro-methane	Endrin	Silvex	Tetrachloro-ethylene	Toxaphene	Trichloro-ethylene	H-3	
L-Area acid/ caustic basins[b]	9-2	0.00063 (1971)	0.54[d] (1971)	(c)	(c)	(c)	(c)	(c)	(c)	0.094[d] (1972)	(c)	(c)	(c)	TC
CMP pits	9-3 to 9-9	0.0011 (1994)	0.065[d] (1994)	0.21[d] (1995)	0.22[d] (1994)	0.41[d] (1995)	0.22[d] (1994)	0.0005[d] (2786)	1.3[d] (2016)	47[d] (2000)	0.13[d] (2006)	1.2[d] (1996)	(c)	
L-Area bingham pump outage pits	9-10, 9-11	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	
L-Area oil and chemical basin	9-12	0.098[d] (2495)	0.017 (1979)	(c)	(c)	(c)	(c)	(c)	(c)	0.016[d] (1979)	(c)	(c)	3.2×10^{8}[(d)] (1967)	
Sum of concen-trations[e]		0.10[d]	0.14[d]	0.21[d]	0.22[d]	0.41[d]	0.22[d]	0.00054[d]	1.3[d]	47[d]	0.13[d]	1.2[d]	3.2×10^{8}[(d)]	TC
Standard[e]		0.05	0.05	0.005	0.002	0.1	0.06	0.0002	0.01	0.0007	0.005	0.005	87,000	

[a]Year of peak concentration shown in parentheses. Years prior to 1985 are indications of present conditions.
[b]Concentrations are from PATHRAE modeling for largest inventory waste management unit in this functional grouping; actual peak concentrations are dependent on the inventory of this unit.
[c]Constituent did not meet threshold selection criteria for PATHRAE modeling.
[d]Concentration exceeds regulatory standards.
[e]Sources: EPA, 1985a, 1985b (tetrachloroethylene and dichloromethane), and EPA, 1987. ICRP Publication 30 (ICRP, 1978) methodology was used to determine concentrations that yield an annual effective whole-body dose of 4 millirem per year. TC