

Table F-31. Predicted Maximum Concentrations of Various Chemical Constituents at CMP Pits^a

Constituent	Applicable standard	Monitoring data maximum mean concentration	Predicted maximum concentration					
			No action ^b		No removal and closure		Removal and closure	
			1-m well	100-m well	1-m well	100-m well	1-m well	100-m well
Benzene	5.0×10^{-3} c	(d)	3.6×10^{-1} (1993)	2.1×10^{-1} (1995)	(e)	(e)	(e)	(e)
Chloroethylene	2.0×10^{-3} c	(d)	3.8×10^{-1} (1992)	2.2×10^{-1} (1994)	(e)	(e)	(e)	(e)
2,4-D	1.0×10^{-1} c	(f)	7.2×10^{-1} (1993)	4.1×10^{-1} (1995)	(e)	(e)	(e)	(e)
Dichloromethane	6.0×10^{-2} g	(d)	3.8×10^{-1} (1992)	2.2×10^{-1} (1994)	(e)	(e)	(e)	(e)
Endrin	2.0×10^{-4} c	(f)	9.3×10^{-4} (2708)	5.4×10^{-4} (2786)	(e)	(e)	(e)	(e)
Lead	5.0×10^{-2} c	5.3×10^{-2} (well CMP 12)	1.1×10^{-1} (1992)	6.5×10^{-2} (1994)	(e)	(e)	(e)	(e)
Silvex	1.0×10^{-2} c	(f)	2.3 (2012)	1.3 (2016)	(e)	(e)	(e)	(e)
Tetrachloroethylene	7.0×10^{-4} g	(d)	8.2×10^1 (1997)	4.7×10^1 (2000)	(e)	(e)	(e)	(e)
Toxaphene	5.0×10^{-3} c	(f)	2.3×10^{-1} (2003)	1.3×10^{-1} (2006)	(e)	(e)	(e)	(e)
Trichloroethylene	5.0×10^{-3} c	(d)	2.1 (1994)	1.2 (1996)	(e)	(e)	(e)	(e)
Gross alpha	10-20	95 (well CMP 13)	(h)	(h)	(h)	(h)	(h)	(h)
Radium	6.0	12 (well CMP 11)	(h)	(h)	(h)	(h)	(h)	(h)

^aSource: Scott, Kolb, Price, and Bledsoe, 1987. Concentrations are in milligrams per liter for chemicals and picocuries per liter for radionuclides.

^bNumber in parentheses represents year in which concentration is expected to be reached.

cSource: EPA, 1985b, 1987.

dStatistical comparison between up and down gradient wells not performed for this parameter.

eValue identical to that of no action.

fConcentration is below standard.

gSource: EPA, 1985a, 1987.

hConstituent not modeled.