

APPENDIX A

Table 4 - Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Soil

REGULATED SUBSTANCE	CASRN	Used Aquifers								Non-use Aquifers				Soil Buffer Distance (feet)
		TDS = 2500				TDS > 2500				R		NR		
		R		NR		R		NR		R		NR		
		100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	100 X GW MSC	Generic Value	
BORON AND COMPOUNDS	7440-42-8	60	[6.7] 190	60	[6.7] 190	6,000	[670] 19,000	6,000	[670] 19,000	60,000	[6,700] 190,000	60,000	[6,700] 190,000	[NA] 30
COBALT	7440-48-4	73	[8.1] 3,300	200	[22] 9,000	7,300	[810] 190,000	20,000	[2,200] 190,000	73,000	[8,100] 190,000	190,000	[22,000] 190,000	[NA] 15
COPPER	7440-50-8	100	[36,000] 43,000	100	[36,000] 43,000	10,000	190,000	10,000	190,000	100,000	190,000	100,000	190,000	10
LITHIUM	7439-93-2	73	22,000	200	60,000	7,300	190,000	20,000	190,000	73,000	190,000	190,000	190,000	10
MANGANESE	7439-96-5	[NA] 30	[NA] 2,000	[NA] 30	[NA] 2,000	[NA] 3,000	[NA] 190,000	[NA] 3,000	[NA] 190,000	[NA] 30,000	[NA] 190,000	[NA] 30,000	[NA] 190,000	[NA] 15
TIN	7440-31-5	2,200	[240] 190,000	6100	[680] 190,000	190,000	[24,000] 190,000	190,000	[68,000] 190,000	190,000	190,000	190,000	190,000	[NA] 10

¹ For other options see Section 250.308

All concentrations in mg/kg

R – Residential

NR - Non-Residential

G – Ingestion

H – Inhalation

C - Cap

U - UBK Model I

S - SEGH Mode

NA - Not Applicable