

**From 25 Pa. Code Chapter 250, APPENDIX A**

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

Clean Fill Concentration Limits (CFCL) Effective January 1, 2020

REGULATED SUBSTANCE	CASRN	CFCL (mg/kg)	A. Direct Contact Numeric Values				B. Soil to Groundwater Numeric Values				Soil Buffer Distance (feet)
			Residential MSC 0-15 feet	Nonresidential MSCs		TDS ≤ 2500		Residential Generic Value	Nonresidential Generic Value		
				Surface Soil 0-2 feet	Subsurface Soil 2-15 feet	Residential	Nonresidential				
ALUMINUM	7429-90-5	190000	190000	C	190000	C	190000	C	NA	NA	NA
ANTIMONY	7440-36-0	27	88	G	1300	G	190000	C	27	27	15
ARSENIC	7440-38-2	12	12	G	61	G	190000	C	29	29	15
BARIUM AND COMPOUNDS	7440-39-3	8200	44000	G	190000	C	190000	C	8200	8200	15
BERYLLIUM	7440-41-7	320	440	G	6400	G	190000	C	320	320	10
BORON AND COMPOUNDS	7440-42-8	1900	44000	G	190000	C	190000	C	1900	1900	30
CADMIUM	7440-43-9	38	110	G	1600	G	190000	C	38	38	15
CHROMIUM (III)	16065-83-1	190000	190000	C	190000	C	190000	C	190000	190000	5
CHROMIUM (VI)	18540-29-9	4	4	G	220	G	20000	N	190	190	15
COBALT	7440-48-4	59	66	G	960	G	190000	N	59	160	15
COPPER	7440-50-8	8100	8100	G	120000	G	190000	C	43000	43000	10
CYANIDE, FREE	57-12-5	130	130	G	1900	G	190000	C	200	200	20
FLUORIDE	16984-48-8	44	8800	G	130000	G	190000	C	44	44	NA
IRON	7439-89-6	150000	150000	G	190000	C	190000	C	NA	NA	NA
LEAD	7439-92-1	450	500	U	1000	S	190000	C	450	450	10
LITHIUM	7439-93-2	440	440	G	6400	G	190000	C	2500	6900	10
MANGANESE	7439-96-5	2000	10000	G	150000	G	190000	C	2000	2000	15
MERCURY	7439-97-6	10	35	G	510	G	190000	C	10	10	15
MOLYBDENUM	7439-98-7	650	1100	G	16000	G	190000	C	650	650	15
NICKEL	7440-02-0	650	4400	G	64000	G	190000	C	650	650	15
PERCHLORATE	7790-98-9	0.17	150	G	2200	G	190000	C	0.17	0.17	NA
SELENIUM	7782-49-2	26	1100	G	16000	G	190000	C	26	26	20
SILVER	7440-22-4	84	1100	G	16000	G	190000	C	84	84	20
STRONTIUM	7440-24-6	44	130000	G	190000	C	190000	C	44	44	NA
THALLIUM	7440-28-0	2.2	2.2	G	32	G	190000	C	14	14	15
TIN	7440-31-5	130000	130000	G	190000	C	190000	C	190000	190000	10
VANADIUM	7440-62-2	15	15	G	220	G	190000	C	290	820	5
ZINC	7440-66-6	12000	66000	G	190000	C	190000	C	12000	12000	15

G - Ingestion  
N - Inhalation  
C - Cap  
U - UBK Model  
S - SEGH Model