

APPENDIX A

Table 1. Safe Fill Numerical Standards For Metals

Regulated Substance	Residential Direct Contact RDC mg/kg	Residential Generic Value RGV mg/kg	Safe Fill ¹ (Lower of RDC to RGV) mg/kg
ALUMINUM ¹	190,000	na	190,000
ANTIMONY	88	27	27
ARSENIC (c)	12	5	12
BARIUM	15000	8200	8200
BERYLLIUM	440	320	320
BORON	20000	6.7	6.7
CADMIUM	110	38	38
CHLORIDES ³	na	na	250 mg/L
CHROMIUM III	190,000	190000	19000
CHROMIUM VI	660	190	190
COBALT	13000	24	24
COPPER	8100	36000	4300 ²
IRON	66000	na	66000
LEAD	500	450	450
MANGANESE	31000	na	31000
MERCURY	19	10	10
NICKEL	4400	650	650
SELENIUM	1100	26	26
SILVER	1100	84	84
THALLIUM	15	14	14
TIN	130000	240	240
VANADIUM	1500	26000	1500
ZINC	66000	12000	7500 ²

¹ Lower of the residential direct contact or residential generic value from the statewide health standards (SHS) of Act 2 regulations

² Due to the plant toxicity of copper and zinc, safe fill numeric values are based on the 40 CFR Part 503 regulations.

na - Not applicable.

³ Required for dredged material and sediments only.

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