

Supplementary Materials: Heterotrophic microbial stimulation through biosolids addition for enhanced acid mine drainage control

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Table S1. Bulk assay results (wt %) of KLC minerals and calcite.

Sample	Al	As	Ba	Ca	Cl	Cu	F	Fe	K	Mg	Mn	Na	Ni	P	Pb	Si	Sr	Ti	V	S	Zn
Quartz	0.004	-	-	-	-	0.003	-	0.16	0.007	-	0.001	0.01	-	-	-	42.7	-	-	-	0.04	-
Amazonite	9.6	-	0.006	-	0.08	-	-	0.06	10.4	-	0.0008	1.8	-	-	0.22	31.6	0.001	-	-	0.04	-
Chlorite	10.5	-	0.002	0.53	-	0.008	0.08	18.0	0.04	6.9	0.05	0.19	0.005	0.10	0.0005	13.0	0.006	1.6	0.03	0.06	0.02
Pyrite	0.01	0.003	-	0.01	-	0.01	-	42.8	0.006	-	-	-	0.0004	0.004	0.004	-	0.0005	-	-	51.5	0.01
Calcite	-	-	0.0006	33.8	0.006	-	0.09	0.03	0.05	0.47	0.01	0.09	-	0.006	-	0.003	0.16	-	0.006	0.31	0.007

Table S2. Biosolids leachates assay results (mg L⁻¹).

Elements	Concentration
Ag	<0.01
Al	0.30
As	<0.01
Au	<0.01
B	1.1
Ba	0.02
Be	<0.01
Bi	<0.01
Ca	950
Cd	<0.005
Co	0.03
Cr	0.005
Cu	1.2
Fe	0.16
K	180
La	<0.005
Li	0.05
Mg	690
Mn	1.3
Mo	0.42
Na	870
Ni	0.09
P	6.5
Pb	<0.01
S	930
Sb	<0.01
Se	<0.01
Si	16
Sn	<0.01
Sr	2.3
Ti	<0.01
U	<0.10
V	0.02
W	<0.01
Zn	0.06
Zr	<0.01