Supplementary data

Supplementary material S1

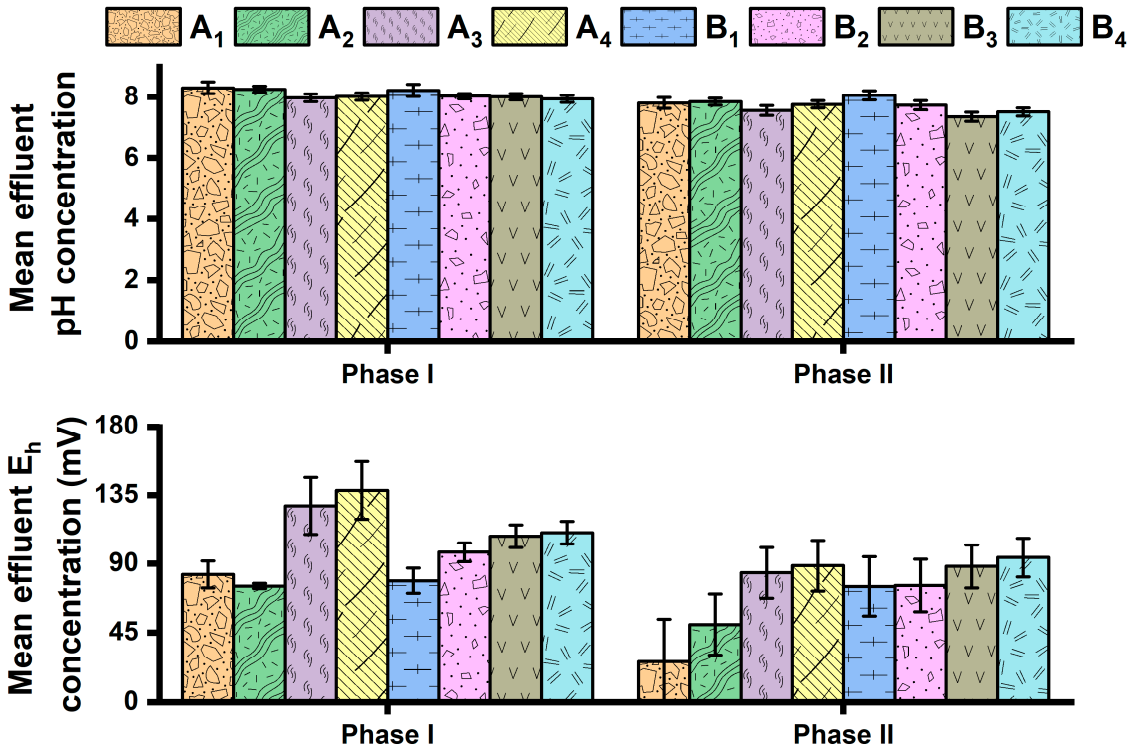


Figure. Mean effluent pH and redox (E_h) concentration profiles produced across the two systems during Phases I and II. Bars indicate standard error. *System 1*: sample collection point A_1 (outlet of the normal upflow-based wetland), sample collection points A_2, A_3, and A_4 (first, second and third segments, respectively of the surface flow wetland). *System 2*: sample collection point B_1 (outlet of the electrode-integrated upflow-based wetland), sample collection points B_2, B_3, and B_4 (first, second and third segments, respectively of the surface flow wetland).

Supplementary material S2

Table. Probable elemental composition percentages of the unused and used stone dust media as indicated by the EDS analysis. NUW denotes normal upflow-based wetland of System 1; EUW denotes electrode-integrated upflow-based wetland of System 2. SG 1, SG 2, and SG 3 denotes segments 1, 2, and 3, respectively, of the surface wetland in System 1 or 2.

Elements	Unused (%)	Used (%)							
		System 1				System 2			
		NUW	SG 1	SG 2	SG 3	EUW	SG 1	SG 2	SG 3
C	4.3	3.1	2.8	4.9	7.1	3.2	2.2	3.1	2.5
N	3.5	0.5	0.7	0.3	0.2	0.1	0.01	0.2	0.04
O	56.9	45.0	43.6	38.9	38.5	44.5	37.9	43.7	36.3
Fe	1.1	0.03	0	0.02	0.01	0.1	0.2	0.1	0.1
Ni	0.7	0.05	0	0.02	0.03	0.3	0.0	0.2	0.03
Zn	0.1	0.09	0.06	0.5	0.53	0.2	0.1	0.3	0.2
Na	0.00	0	0	0.07	0.00	0.0	0.07	0.01	0.01
Mg	1.1	0.2	0.2	0.4	0.5	0.5	0.6	0.3	0.7
Al	2.3	0.9	2.2	0.9	1.9	1.7	8.4	0.6	6.7
Si	24.1	44.1	45.0	41.9	41.1	42.1	37.3	44.7	27.5
P	0.5	3.1	2.8	3.8	3.8	2.2	2.7	3.3	2.1
S	0.1	0	0	0.05	0.00	0.04	0.0	0.0	0.01
Pb	0.7	0.5	0.1	0.9	0.8	0.5	0.4	0.4	0.9
Cl	0.4	0.1	0.07	0.5	0.4	0.3	0.4	0.3	0.6
K	0.8	0.4	0.9	0.6	0.8	0.8	5.2	0.3	2.8
Ca	0.8	0.2	0.2	2.7	1.6	0.7	0.6	0.5	1.2
Ti	1.1	0.6	0.3	1.3	0.7	1.1	1.6	0.6	14.1
Cr	1.0	0.8	0.8	1.7	1.4	1.3	1.9	0.7	3.9