Supplementary material

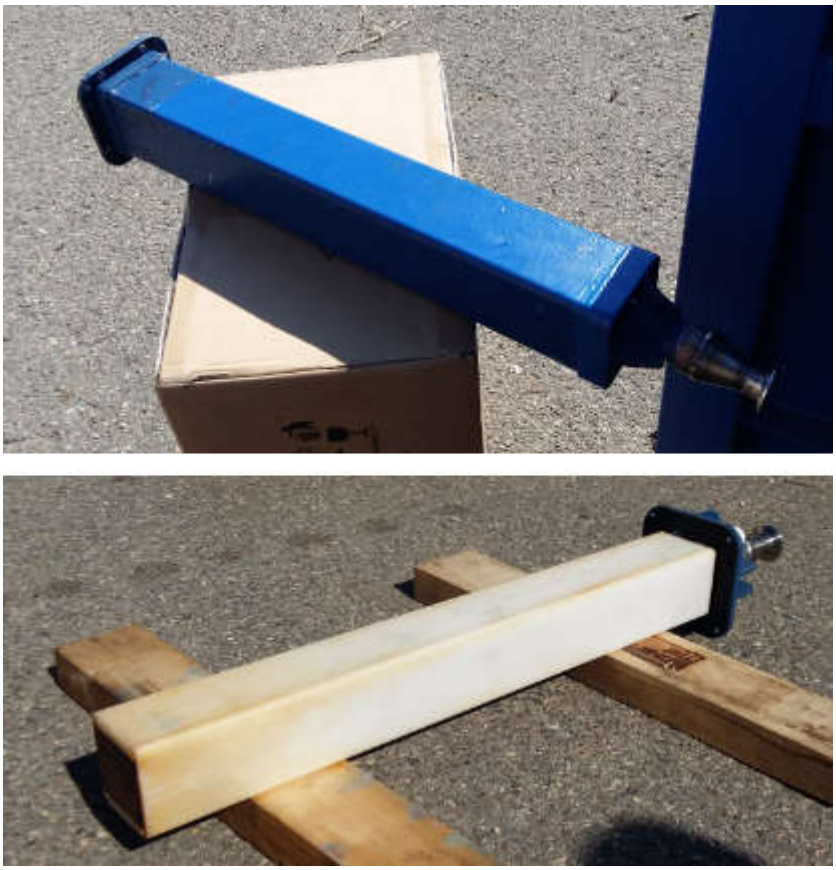

Figure S1. Detail of EC cell: Upper – Outer jacket of the cell; Lower – Electrode pack with top cap.



Figure S2. Placement of the container unit.

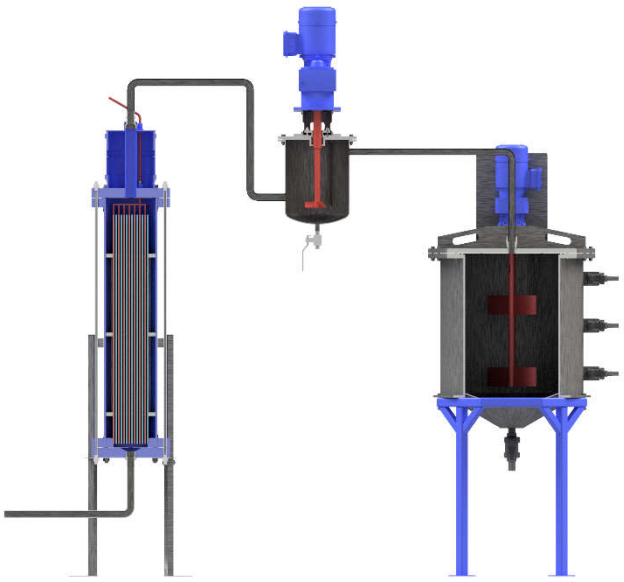

Figure S3. Schematic drawings of EC chamber and mixing tanks arrangement inside the container.



Figure S4. A borehole used for pumping of contaminated water.



Figure S5. Filter-press with concentrated sludge.

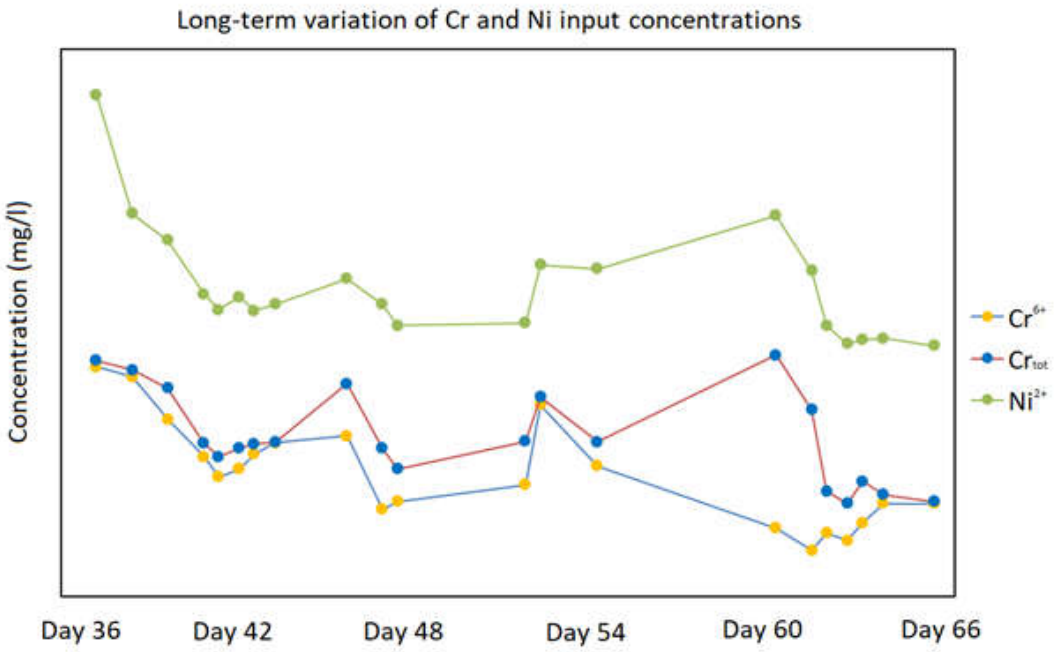

Figure S6. Long-term variation of Cr and Ni input concentrations.

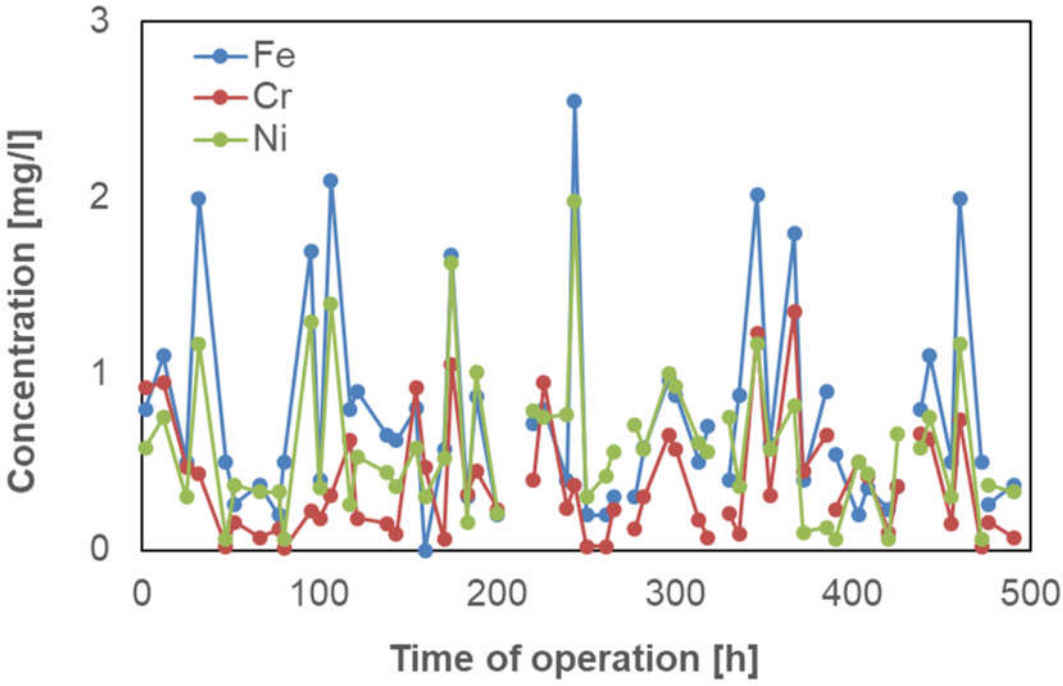

Figure S7. All three weeks data of residual concentrations of Fe, Cr and Ni.

There is an interruption in data collection after 200 h of operation due to failure in construction of Cell B (it was 3D printed and material did not endure). Further form this point, only Cell A was in operation and it had to be stopped every so often for electrodes regeneration.

Table S1. Protocol of sludge leachate analysis according to Czech regulation 294/2005 legal code.

Sample designation:	985 130 ZLH – sludge								
Matrix:	Leachate produced according to ČSN EN 12457-4								
Parameter	**Result**	**Uncertainty**	**Units**	**Method**	**Limit according to 294/2005**				**Index**
					I	**IIA**	**IIB**	**III**	
DOC	15,9	± 1,6	mg/l	SOP č.30A	50	80	80	100	A
Chlorides	252	± 25,2	mg/l	SOP č. 83	80	1500	1500	2500	A
Fluorides	1,28	± 0,13	mg/l	SOP č. 17	1	30	15	50	A
Sulphates	91,0	± 9,1	mg/l	SOP č. 84	100	3000	2000	5000	A
As	< 0,005		mg/l	SOP č.71A	0,05	2,5	0,2	2,5	A
Ba	0,0088	± 0,0009	mg/l	SOP č.71A	2	30	10	30	A
Cd	< 0,001		mg/l	SOP č.71A	0,004	0,5	0,1	0,5	A
$Cr_{tot.}$	0,027	± 0,003	mg/l	SOP č.71A	0,05	7	1	7	A
Cu	< 0,005		mg/l	SOP č.71A	0,2	10	5	10	A
Hg	< 0,001		mg/l	SOP č. 25	0,001	0,2	0,02	0,2	A
Mo	0,0064	± 0,0007	mg/l	SOP č.71A	0,05	3	1	3	A
Ni	0,0086	± 0,0009	mg/l	SOP č.71A	0,04	4	1	4	A
Pb	< 0,001		mg/l	SOP č.71A	0,05	5	1	5	A
Sb	< 0,005		mg/l	SOP č.71A	0,006	0,5	0,07	0,5	A
Se	0,014	± 0,002	mg/l	SOP č.71A	0,01	0,7	0,05	0,7	A
Zn	< 0,005		mg/l	SOP č.71A	0,4	20	5	20	A
$RL_{(105°C)}$	887	± 89	mg/l	SOP č.06A	400	8000	6000	10000	A
pH	8,76	± 0,05	-	SOP č. 01	-	≥ 6	≥ 6	-	A
Evaluation									
Results are convenient with limits mentioned in Czech Ministry of Environment regulation 294/2005 attachment 2 for leaching group II.									