Supplementary Material

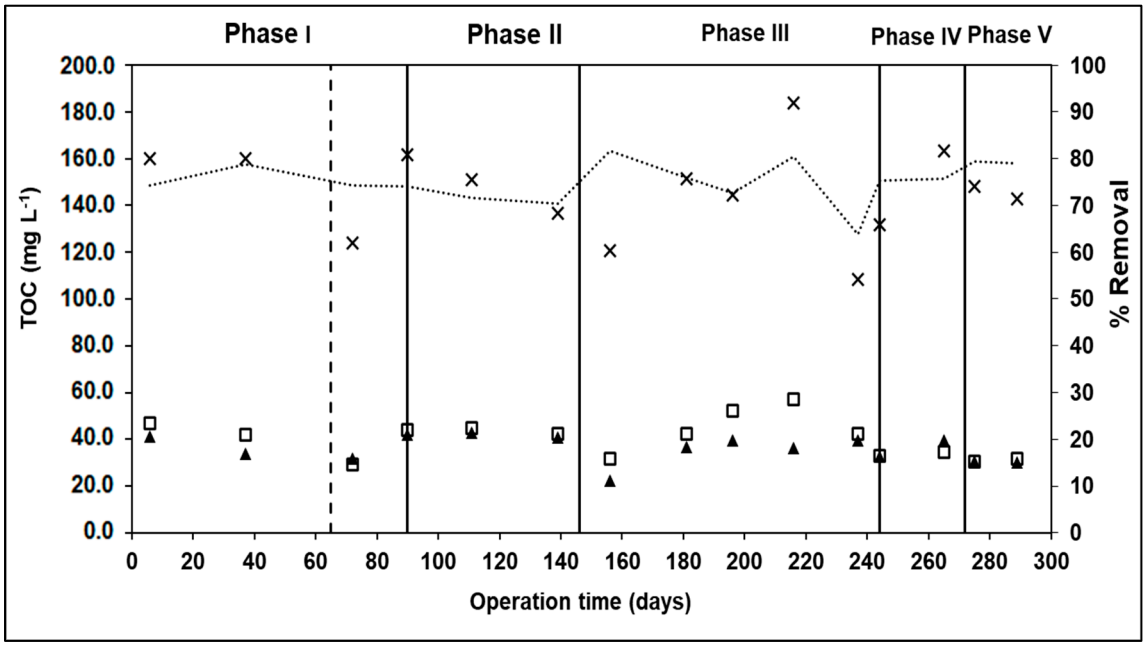

Figure S1. TOC during AGS-SBR operation. Concentrations in reactor influent (×), after anaerobic feeding (□) and effluent (▲), are shown. The doted lines indicate the removal percentage. The dashed vertical line indicates the beginning of 6h-cycles.

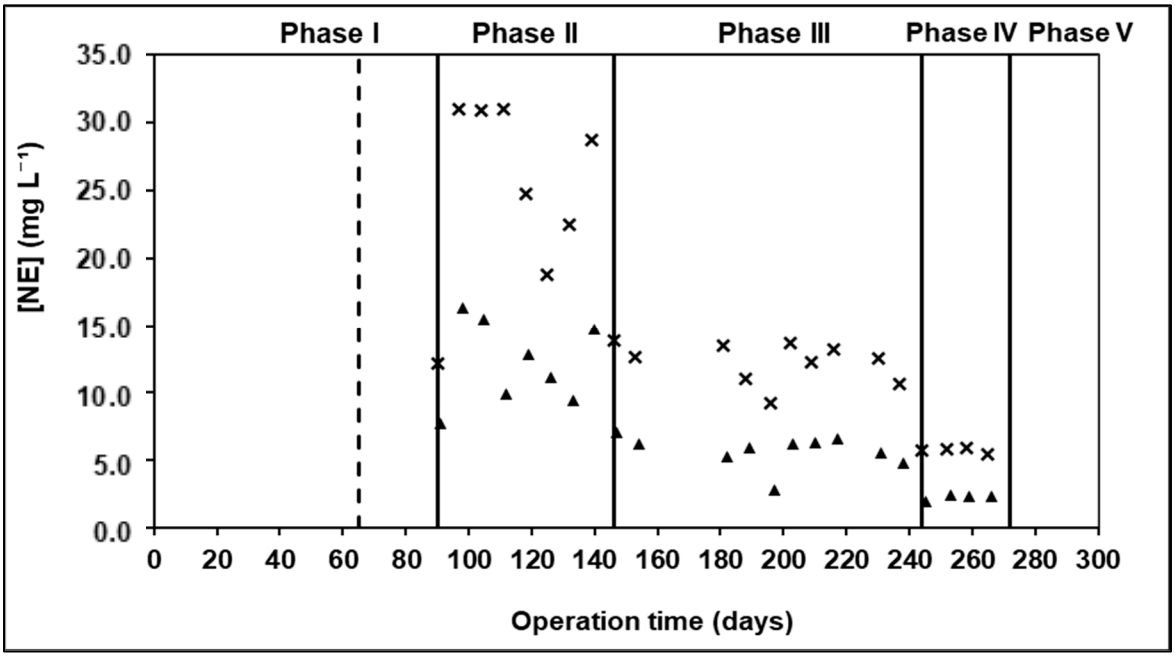

Figure S2. Navy Everzol ED (NE) concentrations during AGS-SBR operation. Concentrations in reactor influent (×) and effluent (▲), are shown. The dashed line indicates the beginning of 6h-cycles.

Figure S3. Example of the EPS extraction assays. The tube on the left contains the pellet with biomass after the EPS extraction; and the other two tubes show the supernatant with EPS resulting from the first and second successive extractions, in the middle and right tube, respectively.

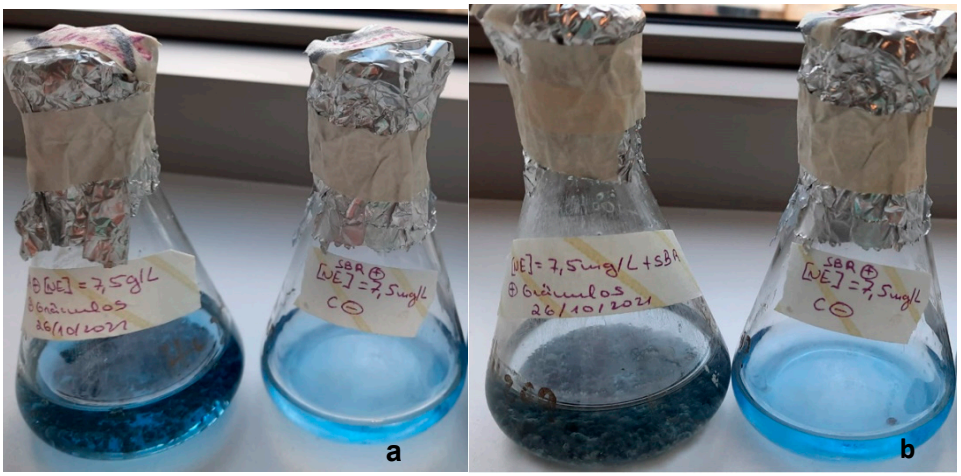

Figure S4. Batch liquid cultures containing aerobic granules in SBR medium with Navy Everzol ED dye ([NE]=7.5 mg L^{-1}). The flask on the right is the abiotic control without granules. a) shows the beginning of the experiment with blue colored liquid; b) experiment after 24 h with colorless liquid and colored granules.

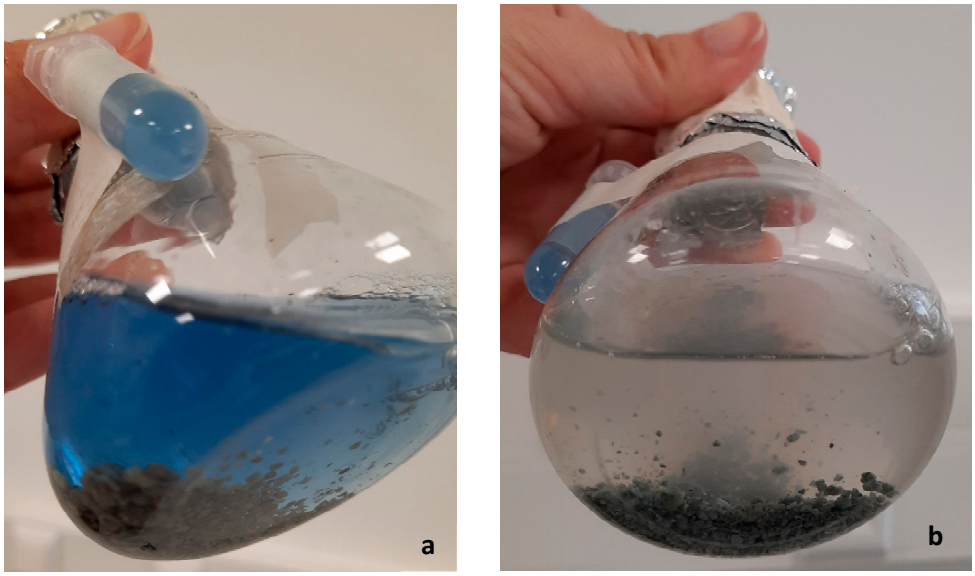

Figure S5. Batch liquid cultures containing heat-inactivated aerobic granules in SBR medium with Navy Everzol ED dye ([NE]=7.5 mg L^{-1}. a) shows the beginning of the experiment with blue colored liquid; b) experiment after 24/48 h with colorless liquid and colored granules.