

## APPENDIX A

Table A.4. Average values obtained during continuous operation of the MPBR plant  
(mean  $\pm$  standard deviation (number of samples)).

	Period A	Period B
Days	16	18
Temperature ( $^{\circ}\text{C}$ )	20.7 $\pm$ 2.1 (16)	17.2 $\pm$ 1.3 (18)
Solar PAR ( $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$ )	351 $\pm$ 103 (16)	275 $\pm$ 104 (18)
EOM <sub>POL</sub> ( $\text{mg}\cdot\text{L}^{-1}$ )	23.6 $\pm$ 7.2 (12)	22.5 $\pm$ 7.6 (15)
EOM <sub>P</sub> ( $\text{mg}\cdot\text{L}^{-1}$ )	17.2 $\pm$ 2.1 (12)	19.9 $\pm$ 2.7 (15)
EOM <sub>POL</sub> ( $\text{mg}\cdot\text{g TSS}^{-1}$ )	64.8 $\pm$ 31.1 (12)	50.9 $\pm$ 18.3 (15)
EOM <sub>P</sub> ( $\text{mg}\cdot\text{g TSS}^{-1}$ )	45.5 $\pm$ 12.0 (12)	43.1 $\pm$ 3.1 (15)
N-NH <sub>4</sub> ( $\text{mg N}\cdot\text{L}^{-1}$ )	13.6 $\pm$ 7.5 (7)	15.5 $\pm$ 8.6 (10)
P-PO <sub>4</sub> ( $\text{mg P}\cdot\text{L}^{-1}$ )	1.5 $\pm$ 0.9 (7)	1.2 $\pm$ 1.1 (10)
NRR ( $\text{mg N}\cdot\text{L}^{-1}\cdot\text{d}^{-1}$ )	25.7 $\pm$ 7.2 (7)	20.8 $\pm$ 8.7 (9)
PRR ( $\text{mg P}\cdot\text{L}^{-1}\cdot\text{d}^{-1}$ )	3.1 $\pm$ 1.2 (7)	2.9 $\pm$ 1.0 (9)
BP ( $\text{mg TSS}\cdot\text{L}^{-1}\cdot\text{d}^{-1}$ )	200 $\pm$ 58 (7)	231 $\pm$ 124 (10)
NOxR ( $\text{mg N}\cdot\text{L}^{-1}\cdot\text{d}^{-1}$ )	3.2 $\pm$ 3.0 (7)	4.2 $\pm$ 2.5 (9)
TMP (mbar)	128 $\pm$ 38 (3763)	20 $\pm$ 11 (2395)
FR ( $\text{mbar}\cdot\text{min}^{-1}$ )	7 $\pm$ 2 (3670)	2 $\pm$ 2 (2380)
TSS ( $\text{mg TSS}\cdot\text{L}^{-1}$ )	479 $\pm$ 56 (7)	423 $\pm$ 151 (9)

BP: biomass productivity; EOM<sub>P</sub>: proteins of external organic matter; EOM<sub>POL</sub>: polysaccharides of external organic matter; NOxR: nitrification rate; NRR: nitrogen recovery rate; PAR: photosynthetically active radiation; PRR: phosphorus recovery rate; TSS: total suspended solids.