Exploring carbon and nitrogen removal capacity of membrane aerated biofilm reactor for low-strength municipal wastewater treatment

Li-Qiu Zhang [a,b], Xing Jiang [a,b], Hong-Wei Rong [a,b], Chun-Hai Wei *[a,b], Min Luo [c], Wen-Chao Ma [c], How-Yong Ng [d]

[a.] Department of Municipal Engineering, School of Civil Engineering, Guangzhou University, Guangzhou 510006, China

[b.] Key Laboratory for Water Quality and Conservation of the Pearl River Delta, Ministry of Education, Guangzhou 510006, China

[c.] SUEZ Water Technologies (Shanghai) Co. Ltd., Shanghai 201210, China

[d.] Department of Civil and Environmental Engineering, National University of Singapore, Singapore 117576, Singapore

*Correspondence: weich@gzhu.edu.cn; Tel.: +86-20-3936-6656

a b c

Fig. S1. Visualization of MABR biofilm with time (a. biofilm enrichment; b. HRT=8 h; c. HRT=3h)