Metabolite		initial concentration	PAC dose	after PAC	after coagulation and sedimentation	Chlorine CT	after chlorination	Final*	PAC
MIB	dissolved	10	15	3	3		5	5	PAC PS1000F
	intracellular	24		24	1		0	0	
TOTALS		**34**		**27**	**5**		**5**	**5**	
geosmin	dissolved	50	20	2	2		5	5	PAC PS1000F
	intracellular	60		60	3		0	0	
TOTALS		**110**		**62**	**5**		**5**	**5**	
STXeq	dissolved	25	15	13.1	13.1	15	5.3	5.3	PAC PS1000
	intracellular	15		15.0	0.8		0.0	0.0	
TOTALS		**40**		**28.1**	**13.8**		**5.3**	**5.3**	
cylindrospermopsin	dissolved	25	11	2.0	2.0	15	0.7	0.7	PAC PS1000
	intracellular	11		11.0	0.6		0.0	0.0	
TOTALS		**36**		**13.0**	**2.5**		**0.7**	**0.7**	
mLR	dissolved	13	12	2.5	2.5	25	1.0	1.0	PAC PS1000
	intracellular	14		14.0	0.7		0.0	0.0	
TOTALS		**27**		**16.5**	**3.2**		**1.0**	**1.0**	
mLA	dissolved	9	9	4.8	4.8	100	0.1	0.1	PAC PS1000
	intracellular	9		9.0	0.5		0.0	0.0	
TOTALS		**18**		**13.8**	**5.3**		**0.1**	**0.1**	
assumptions*	***PAC, 30 min contact time***								
	removal of cells by coagulation = 95%								
	no removal through the filters								
	no allowance for sludge supernatant recycling								

Figure SI-1. Generic cyanobacteria and metabolite removal tool [21].

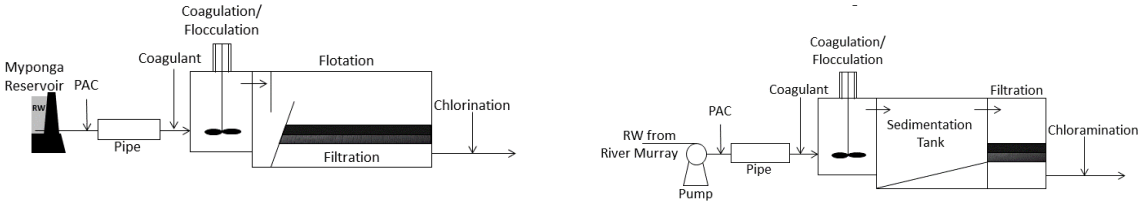

Figure SI-2. Treatment processes at (a) WTP-A and (b) WTP-B. For further details on all studied plants refer to Newcombe et al. [21].