

Measured Emission Rates Adopted for Shatin STW

Facilities	Emission Rate (ou/m ² /s)
Grit Chamber	7.72
Grit Classifier (Garbage) Inlet Work	7.65
Grit Surface Inlet Work	5.72
Influent Channel PST (Units 1-22)	3.23 – 7.80
Sedimentation Tank Surface PST (Units 1-22)	3.76 – 5.68
Effluent Weir PST (Units 1-22)	4.45 – 8.90
Aerobic Zone Aeration Tank (Units 1-22)	0.57 – 0.60
Anoxic Zone Aeration Tank (Units 1-22)	0.57 – 0.59
Tank Surface FST (Circular)	0.42
Influent (Mixed Liquor) Channel FST (Circular)	0.25
Tank Surface FST (Rectangular, Unit 25-44)	0.39
Sludge Transfer Pumping Station (Fine Screen) & Sludge Storage Tank	3.90
Dewatered Sludge Tank Surface (with Fresh Sludge) & Sludge Dewatering Building No.2	5.58
Tank Surface – Sludge Holding Tank	15.15
Overflow Box Sludge Digester	33.97

Source: PolyU Technology & Consultancy Co. Ltd. 2006. Report for Phase I Odour Sampling (Flux Hood) and Analysis. Contract No. DSP/06/06. Additional Odour Monitoring and Management Study of Shatin Sewage Treatment Works – Odour Sampling and Analysis. For Drainage Services Department.