



Description	Unit	Influent	Centrate	Bioinfluent	Membrane Tank Feed	Effluent	WAS	RAS	Sludge Cake
Line No		1	81	2	3	5	71	72	82
Flow	m3/d	598.2	403.0	1,001.2	6,551.2	583.2	418.0	5,550.0	15.0
TSS	kg/d	2,021.7	132.6	2,154.3	56,012.3	0.5	3,925.0	52,086.8	3,792.4
VSS	kg/d	1,519.3	114.9	1,634.2	48,544.0	0.4	3,398.3	45,145.2	3,283.5
BOD5	kg/d	15,671.5	60.0	15,731.6	25,221.9	0.9	1,764.0	23,457.0	1,703.9
COD	kg/d	17,765.1	697.2	18,462.2	80,579.1	763.9	5,559.4	74,255.8	4,862.2
TKN	kg/d	753.7	13.1	766.7	5,313.0	0.8	372.0	4,940.2	359.0
SCOD	kg/d	15,611.7	527.9	16,139.6	8,582.0	763.9	547.6	7,270.5	19.7
NH4-N	kg/d	593.4	0.2	593.6	3.2	0.3	0.2	2.7	0.0
NO3-N	kg/d	1.2	9.9	11.1	161.2	14.3	10.3	136.5	0.4
TN	kg/d	754.9	23.0	777.8	5,474.1	15.2	382.3	5,076.7	359.3
VSS/TSS	gVSS/gTSS	0.75	0.87	0.76	0.87	0.87	0.87	0.87	0.87
TSS	mg/L	3,380.0	329.0	2,151.9	8,550.0	0.9	9,390.0	9,385.0	252,828.9
VSS	mg/L	2,540.0	285.0	1,632.3	7,410.0	0.7	8,130.0	8,134.3	218,899.0
BOD5	mgO2/L	26,200.0	149.0	15,713.5	3,850.0	1.6	4,220.0	4,226.5	113,594.2
COD	mgCOD/L	29,700.0	1,730.0	18,441.0	12,300.0	1,310.0	13,300.0	13,379.4	324,147.3
TKN	mgN/L	1,260.0	32.4	765.8	811.0	1.4	890.0	890.1	23,930.9
SCOD	mgCOD/L	26,100.0	1,310.0	16,121.1	1,310.0	1,310.0	1,310.0	1,310.0	1,310.0
NH4-N	mgN/L	992.0	0.5	592.9	0.5	0.5	0.5	0.5	0.5
NO3-N	mgN/L	2.0	24.6	11.1	24.6	24.6	24.6	24.6	24.6
TN	mgN/L	1,262.0	57.0	776.9	835.6	26.0	914.6	914.7	23,955.5

No. REV1 Date 13AUG18 Drawn by RKS Checked by TYH Approved by GCA

Remarks

Employer
 環境保護署
 Environmental Protection Department

Supervising Officer

Main Contractor

 吉寶西格斯-振華聯營公司
 KEPPEL SEGHERS - ZHEN HUA JOINT VENTURE

Designers

Certification

Project Name
 Contract No. EP/SP/66/12
 Integrated Waste Management
 Facilities Phase 1

Design Package

Drawing Title
 MASS BALANCE - WWTP

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Approved by GOH CHIN AIK	Status PRE		