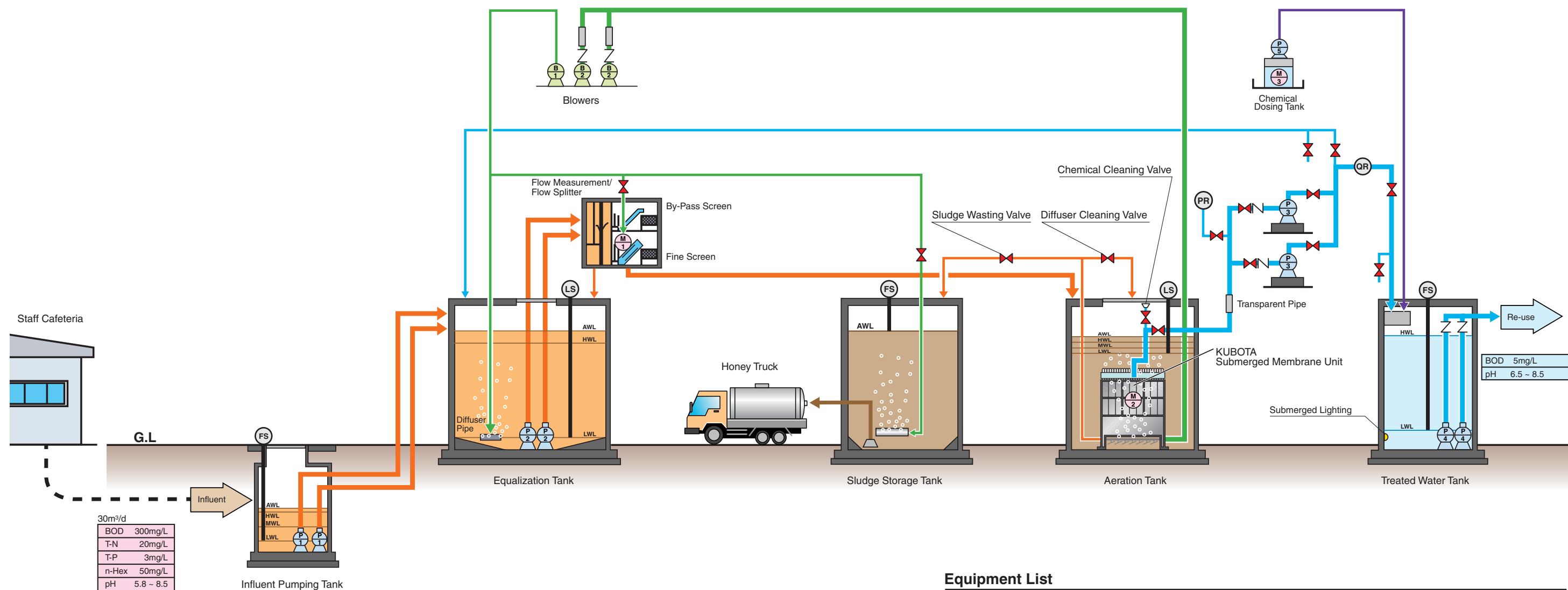


# Flow Chart of Kitchen Wastewater Reuse System using KUBOTA Submerged Membrane Unit



30m<sup>3</sup>/d

BOD	300mg/L
T-N	20mg/L
T-P	3mg/L
n-Hex	50mg/L
pH	5.8 ~ 8.5

### Equipment List

Item	Equipment	Specifications
B-1	Equalization Blower	25A × 0.43m <sup>3</sup> /min × 40kPa × 0.75kW × 1
B-2	Aeration Blower	50A × 1.27m <sup>3</sup> /min × 40kPa × 2.2kW × 2
P-1	Influent Pump	φ50 × 0.20m <sup>3</sup> /min × 8.5m × 0.75kW × 2
P-2	Equalization Pump	φ50 × 0.05m <sup>3</sup> /min × 10.0m × 0.4kW × 2
P-3	Treated Water Pump	φ32 × 0.05m <sup>3</sup> /min × 6.0m × 0.2kW × 2
P-4	Reused Water Pump	φ50 × 0.10m <sup>3</sup> /min × 14.8m × 0.75kW × 2
P-5	Chemical Dosing Pump	φ4/φ9 × 19cc/min × 7kg/cm <sup>3</sup> × 0.025kW × 1
M-1	Fine Screen	14.0m <sup>3</sup> /h × 0.025kW × 1
M-2	KUBOTA Submerged Membrane Unit	Unit Model ES100 (single unit)
M-3	Chemical Dosing Tank (Sodium Hypochlorite)	50 Liter Tank (PVC)
FS	Float Switch	
LS	Water-level Gage	
PR	Pressure Gage	
QR	Electromagnetic Flowmeter	