



SIZING SHEET FOR TREATMENT PLANTS

Client	Allsebrook Pumps						Ref	SNQ2646		
Site	Ty Mawr						Date	20/03/25		
		No	FLOW		BOD			NH₄-N		
			l/hd/d	m ³ /d	g/hd/d	kg/d	mg/l	g/hd/d	kg/d	mg/l
Residents		6	150	0.90	60	0.36	400.00	8	0.048	53.33
Staff (No Canteen)		2	50	0.10	25	0.05	500.00	5	0.01	100.00
Staff (With Canteen)		16	100	1.60	38	0.61	380.00	5	0.08	50.00
Covers		400	25	10.00	30	12.00	1200.00	2.5	1	100.00
Drinkers		20	12	0.24	15	0.30	1250.00	5	0.1	416.67
TOTAL				12.84		13.32	1037.23		1.238	96.42
PE BASED ON FLOWS & LOAD				86		222			155	
Consent	BOD mg/l < 20		SS mg/l < 30		NH4N mg/l < 20		EWwS plant recommended			SHR100
A suitably sized grease trap must be fitted to the kitchen drainage							Power supply	Single or 3 phase		
Surface water has been excluded and must not enter the plant							Inlet Invert	625mm		