

flow 1 mgd
 BOD5 163 mg/L (after primary clarification)
 R = Qr/Q 0.5
 temperature 16 °Celsius

lbBOD/day = 1357.79
 F = 1.361

posible tratamiento mediante secuencia de dos trickling filters en serie

lbBOD/day per 1,000	first stage removal (%)	volume TF # 1	area TF # 1 (7' swd)	diameter	corrected values for TF # 2			TF # 2 efficiency at R = 0.25 (Fig. 11-21)		BOD5 out
					BOD5 out	BOD5	lbBOD/day per 1,000	at 20°C	at 16°C	
20	71.7	67890	9699	111	46	576	71	70	61.0	18
25	70.3	54312	7759	99	48	548	84	67.5	58.8	20
30	69.0	45260	6466	91	51	525	97	66	57.5	21
35	67.8	38794	5542	84	52	507	109	65	56.6	23
40	66.8	33945	4849	79	54	491	121	64.5	56.2	24
45	65.9	30173	4310	74	56	478	132	63.8	55.6	25
50	65.0	27156	3879	70	57	466	143	62.5	54.5	26
55	64.2	24687	3527	67	58	456	154	61	53.2	27
60	63.5	22630	3233	64	60	446	164	60.5	52.7	28
65	62.8	20889	2984	62	61	438	175	60	52.3	29
70	62.1	19397	2771	59	62	431	185	58.7	51.2	30
75	61.5	18104	2586	57	63	424	195	58	50.5	31
80	60.9	16972	2425	56	64	417	205	57.5	50.1	32
85	60.4	15974	2282	54	65	411	215	57	49.7	33
90	59.8	15087	2155	52	65	406	224	56.5	49.2	33