

Figure: 30 TAC §217.164(c)(3)

Table F.8. - Effect of Temperature on SRT, Net Solids Production, and Food to Mass Ratio

Temperature, (degrees C)	SRT, days	Net Solids Production, $Y = .965 - 0.013(\text{SRT})$	Food/Mass Ratio, lbsBOD₅/lbs Suspend Solids/day = $1/(Y * \text{SRT})$
18	4.76	0.90	0.233
17	5.25	0.90	0.212
16	5.79	0.89	0.194
15	6.38	0.88	0.178
14	7.04	0.87	0.163
13	7.77	0.86	0.150
12	8.56	0.85	0.137
11	9.45	0.84	0.126
10	10.42	0.83	0.116

This table uses the maximum growth rate of *Nitrosomonas* calculated using Equations 3-14 from EPA Manual, *Nitrogen Control*, EPA/625/R-93/010, 9/93, p. 90, shown in Figure: 30 TAC §217.164(c)(4), Equation F.5.