Figure: 30 TAC §217.182(n)(5)

Equation G.2.

$$MAFR = \frac{(R_A) \times (L) \times (P_F)}{1440\,\text{min}/day}$$

Where:

MAFR = Minimum airflow rate, scfm
R_A = Aeration rate, scf/lb, Table G.3.
L = Loading rate, lb/day, Table G.3.
P_F = Loading peaking factor

Table G.3. - Aeration Rate and Loading Rate Factors

Filter Application	R_A (scf/lb BOD$_5$)	L (lb BOD$_5$/1000 cf/day) Loading on the filter
Roughing Filter at 75-200 lb BOD$_5$/1000 cf/day	1080	BOD$_5$
Secondary Treatment Filter at 25-50 lb BOD$_5$/1000 cf/day	1200	BOD$_5$
Combined or Tertiary Filter	2400	1.25 * BOD$_5$ + 4.6 * total Kjeldahl nitrogen (TKN)