$$F_e = 20.855 = \frac{(1.0\ \text{lb/ton})(0.1\ \text{tons/min})(4.536 \times 10^8\ \mu\text{g/lb})}{(8{,}700\ \text{ft}^2)(250\ \text{ft/min})} \qquad \text{Eq. 14A-3}$$