

$$\dot{m}_{\text{bkgnd}} = x_{\text{dil/exh}} \cdot \dot{m}_{\text{bkgnddexh}}$$

Eq. 1065.667-3

$$\dot{m}_{\text{bkgnddexh}} = M \cdot x_{\text{bkgnd}} \cdot \dot{n}_{\text{dexh}}$$

Eq. 1065.667-4