

$$F_{Hi} = \left[0.065 - \frac{H_{2,i}}{P_{Rij}} \right] \times 0.3325 \times 1.889 \times 0.95 \times a_{C,i} \text{ where } \left[\frac{H_{2,i}}{P_{Rij}} \right] \leq 0.065$$

and

$$F_{Hi} = 0 \text{ where } \left[\frac{H_{2,i}}{P_{Rij}} \right] > 0.065$$