

CALCULATION OF HUMAN NONCARCINOGENIC CRITERION (HNC)^a

$$\text{HNC} = \frac{\text{ADE} \times \text{BW} \times \text{RSC}}{\text{WC} + [(\text{FC}_{\text{TL3}} \times \text{BAFHHTL3}) + (\text{FC}_{\text{TL4}} \times \text{BAFHHTL4})]}$$

$$\begin{aligned} \text{Drinking Water HNC} &= \frac{7.1\text{E-}2 \text{ mg/kg/day} \times 70 \text{ kg} \times 0.8}{2.0 \text{ l/day} + [(0.0036 \text{ kg/day} \times 1.0 \text{ l/kg}) + (0.0114 \text{ kg/day} \times 1.0 \text{ l/kg})]} \\ &= 2.0 \text{ mg/l} = 2,000 \text{ }\mu\text{g/l} \end{aligned}$$

$$\begin{aligned} \text{Nondrinking Water HNC} &= \frac{7.1\text{E-}2 \text{ mg/kg/day} \times 70 \text{ kg} \times 0.8}{0.01 \text{ l/day} + [(0.0036 \text{ kg/day} \times 1.0 \text{ l/kg}) + (0.0114 \text{ kg/day} \times 1.0 \text{ l/kg})]} \\ &= 160 \text{ mg/l} = 160,000 \text{ }\mu\text{g/l} \end{aligned}$$

CALCULATION OF HUMAN CARCINOGENIC CRITERION (HCC)^a

$$\text{HCC} = \frac{\text{RAD} \times \text{BW}}{\text{WC} + [(\text{FC}_{\text{TL3}} \times \text{BAFHHTL3}) + (\text{FC}_{\text{TL4}} \times \text{BAFHHTL4})]}$$

Insufficient data (no q_1^*).

^aSee Ohio Administrative Code 3745-1-38 effective October 31, 1997.