**Section 302.648 Determining the Human Threshold Criterion**

The HTC is calculated according to the equation:

HTC = ADI/[W + (F x BCF)]

where:

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| HTC | = | Human health protection criterion in milligrams per liter (mg/L); |
| ADI | = | Acceptable daily intake of substance in milligrams per day (mg/d) as specified in Section 302.645; |
| W | = | Per capita daily water consumption equal to 2 liters per day (L/d) for surface waters at the point of intake of a public or food processing water supply, or equal to 0.01 liters per day (L/d) which represents incidental exposure through contact or ingestion of small volumes of water while swimming or during other recreational activities for areas that are determined to be public access areas under Section 302.102(b)(3), or 0.001 liters per day (L/d) for other waters; |
| F | = | Assumed daily fish consumption in the United States equal to 0.020 kilograms per day (kg/d); and |
| BCF | = | Aquatic organism Bioconcentration Factor with units of liter per kilogram (L/kg) as derived in Sections 302.660 through 302.666. |

(Source: Amended at 47 Ill. Reg. 4437, effective March 23, 2023)