**Section 302.563 Determining the Tier II Lake Michigan Basin Acute Aquatic Life Toxicity Value (LMAATV)**

If all eight minimum data requirements for calculating a FAV using Tier I procedures are not met, a Tier II LMAATV must be calculated for a substance as follows:

a) The lowest GMAV in the database is divided by the Secondary Acute Factor (SAF) corresponding to the number of satisfied minimum data requirements listed in the Tier I methodology (Section 302.553). To calculate a Tier II LMAATV, the database must contain, at a minimum, a GMAV for one of the following three genera in the family Daphnidae – *Ceriodaphnia* sp., *Daphnia* sp., or *Simocephalus* sp. The Secondary Acute Factors are:

|  |  |
| --- | --- |
| Number of Minimum data requirements satisfied  (required taxa) | Secondary Acute Factor |
| 1 | 43.8 |
| 2 | 26.0 |
| 3 | 16.0 |
| 4 | 14.0 |
| 5 | 12.2 |
| 6 | 10.4 |
| 7 | 8.6 |

b) If dependent on a water quality characteristic, the Tier II LMAATV must be calculated according to Section 302.560.

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