**Section 352.302 Values for 2,3,7,8-TCDD Toxicity Equivalence Concentrations**

a) For discharges in the Lake Michigan basin containing one or more 2,3,7,7,8-substituted chlorinated dibenzo-*p*-dioxins or 2,3,7,8-substituted dibenzofurans, the 2,3,7,8-TCDD toxicity equivalence concentration (TECTCDD) shall be determined as outlined in subsection (b).

b) The values listed in this Table 1 shall be used to determine the 2,3,7,8-TCDD toxicity equivalence concentrations using the following equation:

|  |  |  |  |
| --- | --- | --- | --- |
| TECTCDD | = | ∑ | Cx TEFxBEFx |

where:

|  |  |  |
| --- | --- | --- |
| TEC TCDD | = | 2,3,7,8-TCDD toxicity equivalence concentration in effluent |
|  |  |  |
| Cx | = | Concentration of total chemical x in effluent |
|  |  |  |
| TEFx | = | TCDD toxicity equivalency factor for x |
|  |  |  |
| BEFx | = | TCDD bioaccumulation equivalency factor for x |

|  |  |  |
| --- | --- | --- |
| TABLE 1 | | |
|  |  |  |
| Congener | TEF | BEF |
|  |  |  |
| 2,3,7,8-TCDD | 1.0 | 1.0 |
| 1,2,3,7,8-PeCdd | 0.5 | 0.9 |
| 1,2,3,4,7,8-HxCDD | 0.1 | 0.3 |
| 1,2,3,6,7,8-HxCDD | 0.1 | 0.1 |
| 1,2,3,7,8,9-HxCDD | 0.1 | 0.1 |
| 1,2,3,4,6,7,8-HpCDD | 0.01 | 0.05 |
| OCDD | 0.001 | 0.01 |
| 2,3,7,8-TCDF | 0.1 | 0.8 |
| 1,2,3,7,8-PeCDF | 0.05 | 0.2 |
| 2,3,4,7,8-PeCDF | 0.5 | 1.6 |
| 1,2,3,4,7,8-HxCDF | 0.1 | 0.08 |
| 1,2,3,6,7,8-HxCDF | 0.1 | 0.2 |
| 2,3,4,6,7,8-HxCDF | 0.1 | 0.7 |
| 1,2,3,7,8,9-HxCDF | 0.1 | 0.6 |
| 1,2,3,4,6,7,8-HpCDF | 0.01 | 0.01 |
| 1,2,3,4,7,8,9-HpCDF | 0.01 | 0.4 |
| OCDF | 0.001 | 0.02 |