**Section 373.304 Stream Assimilative Capacity**

a) Unless conditions as described in Appendix D indicate otherwise, the applicant shall use the Modified Streeter-Phelps Equation contained in Appendix B to predict the influence of the treated wastewater discharge on the dissolved oxygen profile of the receiving stream.

b) The critical conditions for estimating the stream assimilative capacity shall include:

1) the 7-day 10-year low flow value,

2) ambient BOD5,

3) ambient total ammonia nitrogen concentration,

4) ambient dissolved oxygen concentration,

5) the lagoon system discharge at its design average flow rate and design effluent quality,

6) expected maximum stream temperature, and

7) other hydraulic parameters as described in Appendix C.