

Section 4

Description of Aquatic Toxicity Testing Studies Conceptual Plan

4.1 General

An Aquatic Toxicity Testing Studies Conceptual Plan was prepared by Gary M. Rand, Ph.D., a subconsultant to CDM, detailing the conceptual plan and the information obtained to assist in the conceptual plan. A copy of this conceptual plan can be found in **Appendix C**.

The plan includes information on conducting controlled aquatic toxicity testing studies both in the laboratory and in the field, with selected animal and plant species to study the effects of reclaimed water produced by the WRDP on the freshwater and coastal wetlands ecosystem associated Biscayne Bay. The objectives of the plan include, but will not be limited to, the evaluation of acute and chronic effects such as development, growth, and reproduction.

Subsequent to the submittal of this plan, the selected consultant will conduct a literature review as part of the detailed design of the aquatic toxicity testing protocols. Contributions from the Ecological Technical Advisory Committee will be incorporated into this plan, which will then be subjected to an outside peer review. Comments generated from the peer review will be incorporated into the final aquatic toxicity and ecological testing plans, as required.