## Contents

**Abbreviation List**

**Executive Summary**

**TM 1 - Flows and Loads**

**TM 2 - Waste Discharge Requirements**

**TM 3 - Treatment Plant Modeling Steady State Mass Balance Model Calibration & Design Conditions**

**TM 4 - Construction Phasing**

**TM 5 - Headworks: Influent Pumps, Screening, and Grit Removal**

**TM 8 - Flow Equalization, Aeration Basins, Blowers, Secondary Clarifiers, and RAS/WAS Pumping**

**TM 12 - Disinfection System Alternatives Analysis**

**TM 13 - Solids Handling**

**TM 14 - Effluent Pumping**

**TM 15 - Hydraulic Profile**

**TM 17 - Plant Control Strategies**

**TM 18 - Electrical Distribution System and Plant SCADA System Configuration Evaluation**

**TM 19 - Plant Utilities and Yard Piping**

**TM 20 - Demolition and Site Work**

**Appendix A. Geotechnical Report**