

SAMPLE LABOR HOUR MATRIX
ADVANCED WASTEWATER TREATMENT FACILITIES PROJECT

	KEY TEAM MEMBERS									LEAD TEAM MEMBERS							OTHER TEAM MEMBERS						CADD AND PRODUCTION				TOTAL PRIME HOURS	SUBCONSULTANT HOURS	TOTAL HOURS
	Project Manager	Design Manager	Project Engineer 1	Project Engineer 2	Project Engineer 3	Project Engineer 4, etc.	BIM Manager	Scheduler	Process	Civil	Structural	Mechanical	Electrical	I&C	Commissioning	Process	Civil	Structural	Mechanical	Electrical	I&C	Senior CADD	CADD	Project Controls	Admin				
Phase 1 - Planning																													
<i>Task 1 – Project Management and BODR Confirmation Tasks</i>																													
1.1 – Project Management																													
1.2– BODR Review and Confirmation																													
1.3– Reliability Centered Design Workshop 1																													
Phase 1 - Subtotal																													
Phase 2 - Design																													
<i>Task 2.1 – Preliminary Design Report</i>																													
2.1.01.1 – Project Management																													
2.1.01.2 – Permitting Assistance																													
2.1.01.3 – Risk Management Plan																													
2.1.02 – QA/QC																													
2.1.03 – Construction Cost Estimate																													
2.1.04 – Preliminary Construction Schedule																													
2.1.05 – Field Survey																													
2.1.06.1 - Review of Existing Data - Preliminary Geotechnical Report																													
2.1.06.2 - Subsurface Exploration																													
2.1.06.3 - Geotechnical Report																													
2.1.07 - Coordination with Other Projects																													
2.1.08 – TM1 Design Criteria																													
2.1.09 – TM2 NST Unit Processes																													
2.1.10 – TM3 Site Development and Layout																													
2.1.11 – TM4 Electrical and Instrumentation																													
2.1.12 – TM5 Buildings and Structures																													
2.1.13 – TM6 Implementation Plan																													
2.1.14 – TM7 Reliability Centered Design Workshop 2																													
2.1.20 – PDR – Draft																													
2.1.30 - PDR Review Workshop																													
2.1.31 – PDR – Final																													
Task 2.1 – Subtotal																													
<i>Task 2.2 – Design Submittal #1</i>																													
2.2.01.1 – Project Management																													
2.2.01.2 – Risk Management Plan																													
2.2.02 – QA/QC																													
2.2.03 – Construction Cost Estimate																													
2.2.04 – Construction Schedule																													
2.2.05 – Coordination with Other Projects																													
2.2.10 – Drawings and Design Development																													
2.2.20 – Specifications																													
2.2.30 – Design Related Documents																													
2.2.40 – DS1 Submittal and Design Review Workshops																													
2.2.41 – Responses to Review Comments and Validation Workshop																													
Task 2.2 – Subtotal																													
<i>Task 2.3 – Design Submittal #2</i>																													
2.3.01.1 – Project Management																													
2.3.02 – QA/QC																													
2.3.03 – Construction Cost Estimate																													
2.3.04 – Construction Schedule																													
2.3.05 – Coordination with Other Projects																													
2.3.10 – Drawings and Design Development																													
2.3.20 – Specifications																													
2.3.30 – Design Related Documents																													
2.3.40 – Reliability Centered Design Workshop 3																													
2.3.41 – DS2 Submittal and Design Review Workshops																													
2.3.42 – Responses to Review Comments and Validation Workshop																													
2.3.43– Constructability Review																													
Task 2.3 – Subtotal																													
<i>Task 2.4 – Design Submittal #3 and Bid Documents</i>																													
2.4.01.1 – Project Management																													
2.4.01.2 – Risk Management Plan-Construction and Commissioning																													
2.4.02 – QA/QC																													
2.4.03 – Construction Cost Estimate																													
2.4.04 – Construction Schedule																													
2.4.05 – Coordination with Other Projects																													
2.4.10 – Drawings and Design Development																													
2.4.20 – Specifications																													
2.4.30 – Design Related Documents																													
2.4.40 – DS3 Submittal and Design Review Workshops																													

