Budgetary Proposal

![fluence logo]

DATE: **September 18, 2018**

TO: **All Bidding Contractors**

FROM: **Fluence Corporation**

SUBJECT: **10,000GPD WWTP budget**

Fluence Corporation USA is pleased to provide this budgetary proposal for one Tipton Series Model TEII-100-FESHC extended aeration package wastewater treatment system. The system as proposed is for a prefabricated steel package wastewater treatment system.

The following is our scope of supply and budgetary pricing:

Basis of Design

Average Daily Flow Rate:10,000GPD

	Influent	Projected Effluent
BOD_5:	250 mg/L	30 mg/L
TSS:	250 mg/L	30 mg/L
Fecal Coliform		200/100
pH:	7 – 8	7-8

Scope of Supply

Section I - SECONDARY TREATMENT SYSTEM

Primary Screening:
- One (1) inlet flange

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Flow Equalization Chamber:
- One (1) flow equalization chamber, 2,000 gallons
- Two (2) submersible pumps, 1/2hp
- One (1) Equalization chamber blower motor unit 28 SCFM @ 5psi, 2HP mounted within a fiberglass sound enclosure
- One (1) coarse bubble aeration system
- One (1) flow proportioning chamber
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Sludge Holding Chamber
- One (1) sludge holding chamber with a volume of 1500 gallons
- One (1) supernatant decant airlift assembly
- One (1) coarse bubble aeration system with air provided by the main blower motor units

Aeration Chamber
- One (1) aeration chamber with a volume of 10,000 gallons
- Two (2) Blower Motor units 50 SCFM @ 5psi, 3HP mounted within fiberglass blower enclosure
- One (1) coarse bubble aeration system, complete with in-basin air piping
- One (1) main control panel mounted in NEMA 4X fiberglass enclosure with IEC starters, circuit breakers, programmable manual time clock, and HOA switches

Clarifier Chamber
- One (1) hopper type clarifier with a volume of 1667 gallons
- One (1) airlift sludge return pumps and piping, 3 inch
- Two (2) airlift scum return pumps and piping, 2 inch

Disinfection System
- One (1) Chlorine contact chamber with a volume of 208 gallons
- One (1) Tablet feeder

Corrosion Prevention
- All steel piping and steel fabricated items shall be coated with coal tar epoxy paint, unless galvanized. PVC piping shall not be painted

Service Walkway
- One (1) lot of 18 gauge galvanized, non-skid over the service area only
- One (1) Aluminum handrail system
- One Access Stairway

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Section II – NOTES & CLARIFICATIONS

Items Not Supplied by Fluence (unless otherwise noted elsewhere**)**
- Electrical connections and wiring from main power source to the control panel
- Site work; soils work, site prep and site security
- Installation of package plant and mounting of package plant accessories
- Mechanical checkout of installed equipment and O&M Training services
- System startup
- freight
- Loading and unloading of treatment system shipments at site
- Plumbing to the plant
- Drain valves outside plant walls
- Conduit and wiring
- Plant lighting; Plant MCC, Plant SCADA
- Concrete base slabs and anchors
- Piping outside tank walls

Section III – GENERAL NOTES

1. Excavation, foundation pad, crane off-loading, field welding, touch-up paint, plumbing to the plant, connection of anodes, installation of grating, handrail and component equipment, electrical wiring, and filling of the tank for testing are to be done by the general contractor.
2. There is no provision included in this budgeted price, unless noted, for field erection supervision, tests, inspections or adjustments of equipment.
3. Approximate plan view treatment plant dimension: **32ft. long x 10' wide x 11'-0" high, will ship in one section with a shipping weight of approximately 36,000LBS**
4. All concrete and site work are provided by others.
5. The Fluence Standard Terms & Conditions of Sales govern this budget offer
6. Fluence offers ancillary equipment such as pump stations, SCADA systems, tertiary filters, etc. Contact us for prices.
7. Fluence offers leasing and rental options. Contact us for options.

Section IV - BUDGETARY PRICE SUMMARY

ITEM	SCOPE	CURRENCY	PRICE
4.1	**Selling Price, Ex Works Factory, freight included to AL, not offloaded**	**US$**	**$125,500.00**