



**Superior Quality.
Efficient Operations.
Exceptional Service.**

***SolarOrganite* Pilot Test**

Lake Groves & Pennbrooke WWTP's

Lake Utility Services, Inc.
SolarOrganite® Biosolids Management Facility

Proposal & Scope of Work for Pilot Test Facility

Eco Sciences, LLC proposes to design, co-build and license our patent pending SolarOrganite® Biosolids Management Facility for Lake Groves and Pennbrooke WWTF's. This site will have the opportunity to produce a safe class AA/EQ (Exceptional Quality) licensed fertilizer. This process will be proposed and installed as a pilot test operation that Lake Groves and Pennbrooke WWTF's will have the capability of continued operation as a volume reduction process Class A biosolids minimum (75% - 90%), or a class AA facility/EQ fertilizer facility.

The SolarOrganite® process is an environmentally friendly, volume reducing, sustainable, innovative and a cost effective method of reducing all sludge disposal costs by converting Biosolids into a safe Class A biosolids, or Class AA/EQ state licensed fertilizer using only solar energy meeting all State and Federal Regulations.

The following proposal covers the scope of work as follows:

- **License To Use the SolarOrganite® Patent Pending Process and Fee :**
 - SolarOrganite® License/Royalty Fees Included on One Time Basis
- **Patented SolarOrganite® Facility Design with SolarOrganite® Pasteurization/Drying Chamber:**
 - (1) 20' x 30' SolarOrganite® Pasteurization Chamber
 - Metallic Black Powder Coated Environmental Sealant
 - 54 Patented SolarOrganite® Panel Grid
 - Roller Channels and Expansion Length for Cultivation and Loading
 - Delivery and Installation with Wind Loading Anchorage
- **Pre-Processing Bio/Solids Solar Chamber**
 - (1) 20' x 30' SolarOrganite® Pre-Processing Waterproof Lexan Chamber
 - Wheel and Channel Structure for Processing
 - Metallic Black Powder Coated Environmental Sealant
 - Roller Channels and Expansion Length for Cultivation and Loading
 - Delivery and Installation with Wind Loading Anchorage

NOTE - Both Pre-Processing Solar and Pasteurization Chambers Will Be Anchored For High Wind Conditions and Shall Be Secured Each Day After Cultivation. As This is a Pilot Test, Certified Engineering of Designed Project is not Mandated, nor Included.

- **Odor Control System**
 - 400 CFM Carbon Adsorption System
 - 1 h.p. 120 Volt Single Phase, or 230 Volt Three Phase Blower (**TBD**)
 - 60" High x 40" Diameter Fiberglass Vessel
 - 19ft. cu. Granulated Carbon (Estimated 3 year capacity)
 - All P.V.C. Schd. 80 Duct, Fittings and Anchors
 - Quick Disconnects on Duct for Loading and Processing
 - (1) 120 Volt Humidifan for Processing Chamber

- **Turning Equipment:**
- Provided by owner

- **Site Work (Done by owner)**
 - Survey
 - Grading
 - Base Material
 - Concrete Floor (64' x 24' x 4") truck weight and 20' driveway
 - 20' x 30' White Rock Base for Panel Storage
 - 30' Concrete Runners and Posts for Panel Storage
 - 16" Block Poured Chamber Wall (20' x 60')
 - Chamber Steel Flooring (optional, may be added upon successful pilot)
 - 12' Access Opening for Loading and Processing
 - 6' x 6' x 4" Concrete Odor Control Slab
 - 120v. 20 amp. Service for Blower and Outlet for Fan
 - A Lot Permit or Full Permit Modification If Deemed Necessary

- **Training of Staff:**
- Included

- **Pilot Test System Goals & Assurances:**
 - Will Meet Class AA/EQ State Licensed Fertilizer Standards.
 - Volume Reduction (75% - 90%) to Class A Solids Minimum
 - Handle Current Capacity (20 yards) of WWTP Weekly Volume Under Normal Florida Conditions
 - The Facility Can be Expanded to Process Additional Sludge, or Class AA
 - Supplemental 20'x20'x4" Slab and Cover will be Provided by Eco Sciences Should Proposed Design not Meet Capacity for Lake Groves and Pennbrooke WWTP's.
 - Proper Sealant and Painting of Concrete Block Walls by Vendor
 - Three Year Parts and Labor Warranty on Aluminum Grid, Odor Control System and SolarOrganite Panels
 - Continuous Monitoring, Supervision and Minor Modifications to be Overseen by SolarOrganite Personnel

SolarOrganite Pilot Project Cost - \$160,000

Proposed Payment Schedule

Terms:

- \$80,000 upon signed agreement down payment.
- \$80,000 balance due upon completion of project.
- Proposal valid through 11-28-14 with verbal commitment.

Sincerely,

Gary V. Hammond
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