

Press Release

Contact: C. G. Steiner
Phone: 913.897.2727

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Subject: Sugar Wastes-To-Renewable Energy

WaterSmart Environmental, Inc. announces the scientific development of waste-to-renewable energy technology for the worldwide sugarcane milling industry. This breakthrough technology has occurred at a perfect time as the profitability of sugarcane mill business has been significantly impaired due to falling marketplace sugar prices and increasing mill costs. The technology package consists of:

1. Refining the raw sugar into white sugar, a value added product,
2. Processing waste molasses into fuel ethanol, an additional value added product,
3. And converting existing waste treatment ponds into fresh fish farming.
4. All of the combination mill, fuel ethanol, and fresh fish farming liquid and solid wastes are converted into methane gas that is beneficially used to produce all of the heat and power requirements of the mill, fuel ethanol, and fish farming activities. The mill pays the operator a waste treatment fee in exchange for its entire process water, electricity, steam, heating, and gas requirements. The operator then markets the excess methane, electricity, processed fish, financial credits, and other co-products to repay its waste-to-energy, power generation, fish farming, and fish processing nonrecourse project financing. The sugarcane mill, in turn, pays for all of its fuel ethanol, milling, and refining processing and marketing activities.

The sugar waste-to-renewable technology is being marketed on a build-own-operate basis. Profits from routine operations are shared with the mill. The technology is Kyoto Protocol compliant and generates CO₂, NO_x, SO_x, and Renewable Energy Credits while converting seasonable jobs into new permanent employment on a sustainable basis. After 15 years the waste-to-energy technology is automatically donated to the mill. At the center of technology is an extremely efficient anaerobic digestion process. Project development work is now being pursued to introduce this compelling technology to the worldwide marketplace.

WaterSmart Environmental, Inc. is a provider of waste-to-energy technologies and a manufacturer of highly engineered water purification components and systems. The company designs and builds a wide variety of water treatment equipment including packaged water and wastewater treatment plants, UltraPac™ aerobic package plants, OAT™ Process anaerobic digesters with associated energy production, aerators, filters, PuriSep™ and SmartWater™ oil/water and solids/liquids separators, RainDrain™ perimeter trench sand filters for stormwater runoff, dissolved air flotation separators, air strippers, complete skid assembled aqueous waste treatment plants, FilterFresh™ skid mounted potable water production plants, skid mounted wastewater treatment systems for laundromats, commercial laundries, and car/truck wash facilities with water reclamation and reuse, softeners, demineralizers, activated carbon treatment equipment, and water purifiers for domestic and international markets.

