AN ENVIRONMENTAL
REMEDIATION COMPANY

Haiti Presentation

***M**obile **W**ater **P**urification **S**ystems*
***O**rganic **W**aste **R**emediation*
***W**ater **T**reatment **T**echnology*

"Our technologies will greatly improve the environment and create a large number of new local jobs"

Jimmy Sherlock, Global Ecology Corporation

Mobile PureWater System

Unique Features

- **Mobility:** Can be mounted on a trailer/truck bed or
- **Power:** Can be powered by Solar, Small Portable Generator or Direct Current
- **Water Volume:** Easily scalable, Systems produce from 4000 to 13,000 Liters Per Hour
- **Cost Per Purified Liter:** Approximately $.001 USD Per Liter – Including Power Costs
- **Water Quality:** Meets U.S. Drinking Water Standards
- **Requires No Chlorine:** System Uses Ultra Violet Lights and IMS1000™, a mineral biocide to protect purified water
- **Ease of Operating:** Requires no specials skills – cycles are fully automatic
- **Maintenance:** Very few moving parts with very little maintenance required
- **Versatility:** Effective in all field conditions or deployed as a stationary water production facility

IMS 1000™

"Environmentally Safe, Pure Protection for Water, Crops and Food"

IMS 1000™ is a powerful, environmentally safe mineral-based biocide designed to control the following dangerous pathogens:

- **All Bacteria** such as E-coli, Cholera, Botulism and Typhoid
- **All Waterborne Viruses** such as Hepatitis A and Polio
- **Intestinal Protozoa** such as Cryptosporidium and Giardia

IMS 1000™ also has many other useful applications such as:

- Algaecide that kills all forms of algae
- Treating diseased crops
- Kills pathogens and fungus on fresh food supplies, extending the shelf life by many days
- Controls bacteria and algae in fish farming eco-systems
- Waste water treatment systems and control of fly larvae
- Controls tadpoles that destroy rice crops

Active Registrations:

Health Canada
www.hc-sc.gc.ca

National Science Foundation
www.nsf.gov/

Canada's Top 10 Cleantech Companies Competition Winner

Registrations Pending:

United States Environmental Protection Agency

SABS

IMS1000™ Is Produced for Global Ecology Under An Exclusive License by the Canadian Company EnvirEau Technologies, Inc.

AN ENVIRONMENTAL
REMEDIATION COMPANY

Creating High Grade Soil Amendments from Abundant Organic Waste Materials

Turning Waste Management into the Profitable Production of Rich Soil Amendments

Local Materials Needed

- All "Green" waste materials, to include: trees, forage trimmings, grass, wood chips
- All available food waste and other types of organic garbage
- All available bio-waste materials from any source

Pictured below are examples of waste materials used for our project in Juarez, Mexico

8 Million Tons of Bio-Waste

Trees, Forage, Farm Waste

Food Waste from Restaurants

The Process – Phase One

Waste Material Processed in Separate Areas

- Area 1 – Food waste is collectively dump into a holding vessel where the water and microbes are added to speed up the remediation process
- Area 2 – Microbes are added to the Bio-waste to kill all active pathogens
- Area 3 – Green Waste is chopped and ground into small chips

Food Waste to Liquid

Bio-waste Bacteria Killed

Green Waste Shredded

The Process – Phase Two

Combining Materials for Further Remediation

- Combine dry bio-waste, green waste and liquefied food waste
- Create windrows for even and efficient composting
- Combine windrows into mounds for final composting cycle

Combine Materials

Form Windrows for Composting

Combine Windrows

The Finished Product

Our waste remediation process will yield two highly nutritional products for both local and regional agricultural activities. The first is a soil amendment that can turn non-productive farmland into soil suitable to grow many types of crops. The second is a unique liquid formula that will add to the plant growth, health and opportunity for a successful harvest.

Potential Growth Industries Impacted by GEC's Technologies – Clean Water

Mobile Pure Water System Manufacturing

- Systems to be built in Haiti by Haitians
- To employ skilled plumbers / welders and other assemblers
- Factory to build water system for the entire Caribbean Region
- Thousands of systems produced annually
- Haiti becomes a net exporter creating 100's of new local jobs

Water Bottling Plants

- Low production cost of regionally producing purified water will make it possible to regionalize the local bottling of local water supplies.
- Cost of the equipment to make the plastic bottles also make this goal attainable.
- Bottles will be reusable and recyclable
- Establish local refill stations operated by local residents

Potential Growth Industries Impacted by GEC's Technologies – Soil & Waste Remediation

Reduce the Size of Landfills

Build Local Remediation Sites

Process into Rich Top Soil

Distribute to Farms – Large & Small

Potential Growth Industries Impacted by GEC's Technologies – Soil & Waste Remediation

From This

To This

Global Ecology and Haiti – Partners in Environmental Transformation

- Providing clean drinking for the entire population with our water systems, reducing health issues and increasing population productivity
- Significantly increasing farm production and quality of crops with improved soil conditions
- Significantly reducing fresh food losses using IMS1000™
- Improving sanitation conditions with IMS1000™
- Reducing the size of landfills with our waste remediation technology
- Enabling the expansion and production of fish farms with IMS1000™
- Enable the economical creation of local waste water treatment facilities
- Creating new industries to help reduce imports and increase net exports

Together we WILL create a better, healthier environment and 1000'S and 1000's of NEW JOBS