

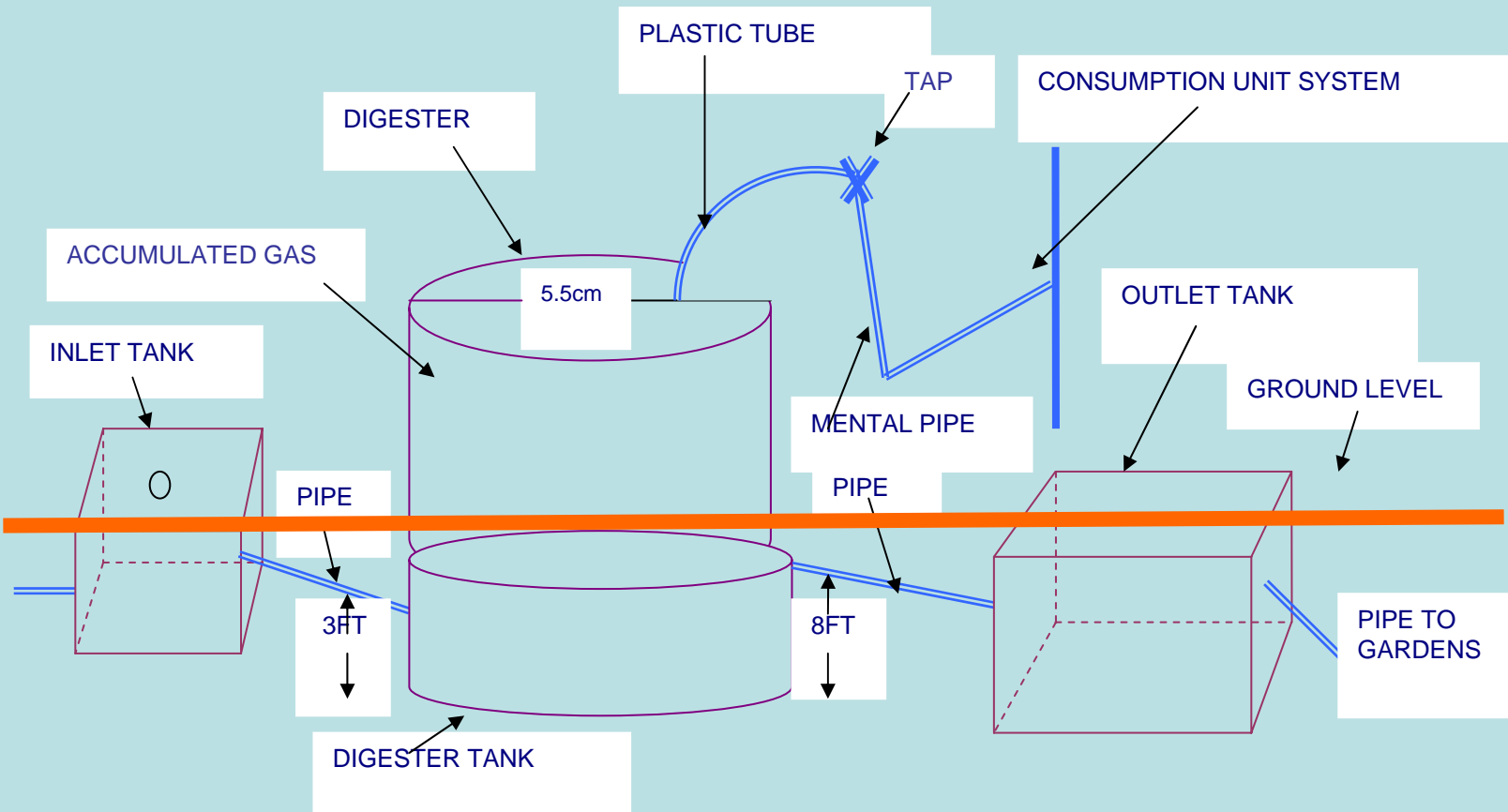
“ADVANCES IN AGRICULTURAL PRACTICES”

TITLE: “Bio-gas a measure to restore river Soloko.”

**By: NADUNGA GRACE
SIRONKO DISTRICT ADMINISTRATION
SIRONKO – UGANDA**

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Bio-gas Plant Illustration



BIO-GAS EXPERIENCE



CATTLE MOVEMENTS

- Bio-gas is a gas taken from the sewers i.e., cow dung, cattle urine and water being the raw material, Besides other sources of raw material

SITUATIONAL ANALYSIS



TOPOGRAPHY OF THE LAND

River Soloko, runs from Mount Elgon to L. Kyoga and finally in river Nile,

- Subsistence Agriculture is a key activity with backward type of farming

PROBLEMS

- Deteriorating environmental condition of the river as a result of pollution, dumping and flora harvest.
- Problems of soil erosion
- Use of chemical fertilizers is due to limited acreage of land for cultivation,
- Silting as a result of body contact of the animals into the river
- Deforestation

ENVIRONMENTAL BENEFITS

- Bio-gas has replaced the intensive use of firewood and charcoal
- A strong tools for soil and environmental conservation
- Substituted the use of dangerous chemical and fertilizers
- It is a solar energy power source that substitutes hydro electricity.

COMMUNITY BENEFITS

They are mostly social and economic:-

- Increased incomes through sales of animal products
- Illiteracy rates is mostly likely to be reduced
- No unemployment problems especially with Uganda's case.
- Limits movements of animals from place to place hence no spread of animal diseases.

CHALLENGES

Challenges are:

- Financial constraints
- Limited sensitizations due to lack of educational facilities
- Work is tedious especially cleaning of the soak pit which has to be on regular basis

RECOMMENDATION

- It is commendable for governments, non governmental organizations and others to embrace the idea of bio-gas schemes and support communities by installing and availing credit facilities to enable them fully engage in this business.

CONCLUSION

- Bio-gas is a viable method to act as engine to sustainable development of any one country's economy because of its efficiency and economical aspect. Bio-gas is a reality solution that benefits the community and sustains nature.