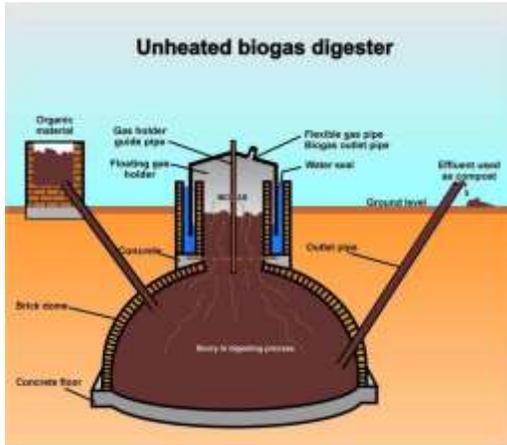


ARC'S SCIENTIFIC RESEARCH AND TECHNOLOGY PLATFORM FOR BIOGAS PROJECTS SUPPORT



Section through unheated biogas system



Methane potential testing system

For starting and existing ventures in biogas, the Agricultural Engineering division of the Agricultural Research Council (ARC) offers services within its technical and commercial areas of expertise for biogas generation and maximization at the client's facility. We will also help to assess and inform the client of how viable the project that the client wishes to undertake, could be.

To achieve success biogas projects, the ARC usually takes the project through the three fundamental staged cycle:

1. Pre - & Feasibility Study

This is the first stage which determines whether there is possibility for the biogas production in a given proposed project. A prefeasibility study is related to desktop analysis of potential of anaerobic digestion process using a client's data.

- ✚ Raw material related data quality and quantity assessment
- ✚ Yield calculations
- ✚ Sample analysis
- ✚ Flowsheet development
- ✚ Assessment of Environmental standards, water pollution issues and resolutions
- ✚ Estimation of preliminary capital and other operating equipment requirements.

ARC's feasibility study services are related to the stage after a successful prefeasibility study. The stage encompasses onsite visits of anaerobic digestion and biogas facility, and involves the following:

- ✚ Provision of raw material data quality requirements

