

## Template for Evidence(s) UI GreenMetric Questionnaire

University : IFSULDEMINAS  
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### [3] Waste (WS)

#### [3.6] Sewage disposal



Figure 1: Campus Muzambinho - WASTE TREATMENT IN SUINOCULTURE



Figure 2 – Campus Inconfidentes – Treatment of livestock waste



Figure 3: Campus Inconfidentes - Treatment of waste from the dairy department

Description:

1 - ANAEROBIA BIODIGESTION THROUGH PISTON FLOW BIODIGESTORS

Amount of Solid Waste treated = 1570 kg / day

Biofertilizer production = 8500 liters / day

Daily production of Biogas = 118 m<sup>3</sup> /day

Daily production of LPG cylinders = 3.6 cylinders of 13 kg

2 - Treatment of livestock waste

When washing the place where the oxen are confined, with the water recycled from the rain, the treatment of the residue is done, by:

Decanting

Continuous flow treatment equalization tank

Flotation, which treats fat

Anaerobic reactor that digests organic matter  
and the Crusher Box with plant

Video of the project 1 and 2 :

<https://www.youtube.com/watch?v=gswGxhftkNI&feature=youtu.be>

3- The dairy department generates a lot of serum, and this residue needs to be treated, Campus Inconfidentes treats this residue and then harnesses the water for reuse.

There is no dairy use of the cultivated bed system (Pantanal) of plant species in tanks with filter proposal as wastewater generated in equipment cleaning and local washing. After treatment, the water goes back to the river course.