

## Template for Evidence(s) UI GreenMetric Questionnaire

University : IFSULDEMINAS  
Country : BRAZIL  
Web Address : <https://www.ifsuldeminas.edu.br/index.php>

### [3] Waste (WS)

#### [3.6] Sewerage Disposal



1 - Campus Muzambinho - WASTE TREATMENT IN SUINOCULTURE



2 – Campus Inconfidentes – Treatment of livestock waste





Description:

1 - ANAEROBIA BIODIGESTON 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.