

## 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] Sewage Disposal



Figure 1: Muzambinho Campus swine waste treatment.



Figure 2: Inconfidentes Campus livestock waste treatment.



Figure 3: Inconfidentes Campus dairy waste treatment.



Figure 4: Machado Campus coffee washing waste treatment.



Figure 5: Muzambinho Campus waste treatment.



Figure 6: Muzambinho Campus waste treatment.



Figure 7: Inconfidentes Campus construction of the ecological septic tank.



Figure 8: Inconfidentes Campus Milk Cattle sector ecological septic tank.



Figure 9: Inconfidentes Campus seedlings irrigated with milk residues.



Figure 10: Machado Campus construction of Sewage Treatment Network in Center of Excellence of Coffee.



Figure 11: Machado Campus sewage treatment system with septic tank, anaerobic filter and sink.



Figure 12: Machado Campus sewage treatment system with septic tank, anaerobic filter and sink.



Figure 13 : Carmo de Minas Campus septic tanks.



Figure 14: Poços de Caldas Campus [Rural Sanitation and Environmental Education Project](#).

## Description:

### Figure 1: Muzambinho Campus swine waste treatment

Muzambinho Campus has an anaerobic digester through piston flow that has the ability to process 1,570 kg of solid waste, producing 8,500 liters of biofertilizer and 118 m<sup>3</sup> of biogas, daily.

### Figure 2: Inconfidentes Campus livestock waste treatment

At IFSULDEMINAS, two projects contribute significantly to the preservation of water resources, showing how it is possible to associate research, development and milk production in a sustainable way. [Project Video](#)

### Figure 3: Inconfidentes Campus dairy waste treatment

Campus Inconfidentes dairy sector generates a lot of serum, and this waste is treated and the water reused.

### Figure 4: Machado Campus coffee washing waste treatment.

Machado Campus reuse of waste water from coffee washing in Campus Machado facilities.

### Figure 5: Muzambinho Campus waste treatment

Muzambinho Campus sanitary waste and Free Stall milking parlor treatment

**Figure 6: Muzambinho Campus waste treatment**

Muzambinho Campus sanitary waste from female and male accommodation treatment.

**Figure 7: Inconfidentes Campus construction of the ecological septic tank**

Inconfidentes Campus Agroecology Sector ecological evapotranspiration tank (BET) with banana trees.

**Figure 8: Inconfidentes Campus Milk Cattle sector ecological septic tank**

Inconfidentes Campus Milk Cattle sector tire-built ecological septic tank for sewage treatment.

**Figure 9: Inconfidentes Campus seedlings irrigated with milk residues**

Inconfidentes Campus use of dairy whey residue in forest seedlings and also as a food supplement to treat pigs from a local farmer.