Liquid manure decomposition

The rotting of organic matter is a minimal phenomenon in nature that, in the end, through biological oxidation leads to material recycle.

The goal of decomposition is to produce the flammable gas, methane or "biogas"

Non-profitable production Does not remove the waste problem.

Creates 3 new waste problems: Toxic gas mixture, wastewater and waste sludge

Creates greenhouse gases methane (CH₄), carbon dioxide (CO₂) and toxic gases ammonia (NH₂), hydrogen disulfide (H₂S), carbon monoxide (CO).

Accelerates global warming.

Decomposition (rotting) of organic material DESTROYS THE FOUNDATION OF LIFE



=> negative material and energy balance => costly and non-profitable method

Negative material balance: Large nutrition losses Nitrogen evaporates, phosphorous dissolves into water systems

Negative energy balance: Endothermic reaction, consumes more Part of the methane can be converted to electricity, but with an overall loss.

Produced waste sludge destroys the fields Produced wastewater is hard to purify Produced gas mixture is hard to clean Liquid manure creates a worse waste problem

Yields decrease, quality drops Less fodder and healthy food.

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