

The invention relates to the treatment and dehydration of activated sludge resulting from wastewater or livestock wastewater biological treatment plants and foodstuff processing enterprises: meat, milk, juices.

The process provides for the mixing of activated sludge, obtained from wastewater, with an aqueous Vthiamine ST-15 drug solution, diluted 90-110 times, in an amount of 22-25 mL/L of sludge. The drug consists of a 15-20% aqueous solution of  $\text{Ca}(\text{NO}_3)_2 + \text{NaNO}_2$  with the addition of about 2 mmol/L of 1-hydroxy-2-(1,3-oxazetidin-3-yl)ethane. The mixture is maintained for 5-20 hours at a temperature of 18-40°C until reaching a pronounced clarification and stratification, consisting of an aqueous phase and a solid flotation concentrate, after which the flotation concentrate is separated from the aqueous phase.

The resulting organic concentrate can be used as a fertilizer and/or depleted soil conditioning agent.

Claims: 2

Fig.: 2