The invention relates to the treatment of sewage waters, namely to a plant for anaerobic processing of wine distillery waste, formed as a result of distillation and comprising solid organic compounds.

The plant consists of a bioreactor and an electrolyzer placed thereon. The electrolyzer includes a body (14) of cylindrical form made of non-magnetic material and is connected to the bioreactor by means of a coaxial downpipe (15), on the inner surface of the body (14) it is placed an electrode (24) of titanium alloy, connected to the negative pole of a direct-current source, and on the upper end of the downpipe (15) it is fixed a cylindrical insert (23) of insulating material and a concentric electrode (22) of stainless steel, connected to the positive pole of a direct-current source, inside the body (14) there are placed on a net (20) metal cylindrical bodies (21) of soft magnetic material, a cover with corrugated surface (25), and in the upper part it is fixed and ultra-violet lamp (18) with reflector (19). The body (14) is also provided with a distillery waste feeding branch (2), with a valve (3), an ejector system (4) and a tangential inlet (5), on the outside of the body (14) it is installed an inductor (16) of rotary electromagnetic field, connected to a voltage regulator (17) and to an alternating-current source. The bioreactor includes a body (1) with conic bottom, inside which it is placed a solid carrier (9) with a fixed layer of biomass, the body (1) being provided with a treated liquid discharge branch (6) with hydraulic siphon (7) and with an air branch (8), a sediment removal branch (10) with a valve (11), as well as a biogas removal branch (12) with hydraulic gate (13).

Claims: 2 Fig.: 1

