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## **CONTRIBUTIONS TO DESIGN AND SAFE EXPLOITATION OF WASTEWATER TREATMENT PLANTS FOR SMALL COMMUNITIES**

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### **Abstract**

A new concept for the design of wastewater treatment plants in rural communities and small towns was proposed, consisting in the replacement of the primary settlement tank with an equalization intake tank, a selector compartment and a secondary settlement tank designed in order to improve the quality of biological sludge.

*Keywords:* small community, waste water treatment plant, flow, organic loads

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