

Here the abstract for the Green House Gas Measurement Symposium.

Measurement of the CH₄ emissions from the Puchucollo treatment lakes in La Paz Bolivia

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The emissions of CH₄ on the treatment lakes in Puchucollo located in the Highland of Bolivia were carried out. This lake takes into account both domestic and industrial wastewater, but approximately 90% of the total effluent in the lake was estimated originated from domestic waters. A novel closed technique method was used to measure the emissions of CH₄. For that purpose we used a plastic dynamic box placed on the water surface connected to an air supply and air sampler. For this purpose we used six boxes to take six repetitions. The measurements were done twice a month for entire year, so that the differences because the weather were taken. The preliminary result shows that there were a 21.57 mg CH₄/L of BOD which is result of 1.4289×10^{-5} g/cm²/sec flux of gas. This result shows that there will be low emissions in this environment, almost half of the used as a default value.