



Xcelbio resolves the odour problem at Mweya Lodge, Uganda

Copy of original reference letter sent to Ray Long, Switzerland

Xcelbio (Crenarchaeota) – application at Mweya Lodge, Uganda

To Ray Long, the technical Director,

As you know, Fontes AS, is doing a project to improve the sewage system at Mweya Lodge in Queen Elisabeth National Park, Uganda. The Lodge is very famous also outside Uganda, because its location on an elevated plateau as a peninsula between the Kazinga Channel (part of the old Nile river) and Lake Edward is so special and so beautiful.

Since quite some time the lodge had problems with both its black water and grey water. The water has to be treated in septic tanks to make the spill water acceptable for infiltration into the ground in several soak-aways. However, treatment in the septic tanks was not properly functioning and odour in the area close to the lodge and swampy areas around the soak-aways were significant problems.

The management of the Lodge, the Madvhani Group, was looking for competent provider of services to improve the situation late in 2009. Fontes AS through its country office Fontes Uganda Ltd. was asked to help to quickly improve the situation. Based on an assessment, Fontes proposed to develop some of the soak-aways into down-up filters and to add Xcelbio into both the grey water and the black water system. The implementation was carried out in February 2010. In addition, some piping was fixed and some new connections established.

Routines were established to add Xcelbio in the beginning at two key-points every three days so that septic tank and grey-water system received continuous doses of Xcelbio activated water. Dosing was reduced later on.

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Mweya Lodge, Uganda



Now in September 2010, during one of the monitoring and further planning visits by Fontes it could be confirmed that odour problems in the surroundings of the Lodge were reduced and that sludge accumulation in the septic tank was highly reduced. Before, the septic tanks had to be regularly emptied every third month. Now, the septic had not to be emptied once since then.

Fontes would like to bring these findings and results to your attention. We are asked to work with a next phase of improvements of the water re-use system. So we will be back to the site and will continue to monitor the situation at Mweya Lodge.

Best regards

A handwritten signature in black ink that reads 'Andreas G. Koestler'.

Dr. Andreas G. Koestler
Director