

MSQ - FIELD TRIAL

THE FIRST TWO WEEKS



The MSQ Field Lab crew @ Vienna International Airport before the flight to Blantyre



The first day in the "garage" lab @ the office of Waste Advisers Malawi



Lab & work safety is important! The garage is split in a clean and dirty zone. Lab work is done in the dirty zone.



A solar panel allows us to recharge batteries, so that we can work when the power is out.



At the end of the first week the lab was set up and checked.

At the first treatment plant in Blantyre! Lena documents the flow.

Where is all the water going?



The WWTP also accepts and treats Faecal sludge.

The wastewater is treated by bacterial living on the stones!



Trickling Filters are used as main biological treatment step.

At the second plants lagoons do the job of treating the wastewater.



The effluent of the second plant flows into a river.

This would be a good sample site!



SMELLY!



At the third site Faecal sludge is dumped into a lagoon.

Documentation is important in the lab. So that the results can be traced to the specific sample.

That's the effluent sample from plant 1

This is sample #3. From where is it?



Your words here...



From a Public Health perspective it is important to know the reduction of faecal indicator organisms.

Hi my name is Salmonella

Call me E-Coli! I am well known!

I am called Enterococcus

MIBI IS AWESOME!

DIY Chemical oxygen demand digestion system works also without electricity.



This oven as well. We try to reduce the power need of the lab, so that it can run on batteries during a black out.

