



Characterisation of Pit Sludge Management, Sludge Biochemical Degradation, and Respective Impacts on Public Health in Unplanned Settlements of Malawi



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Ntopwa and Milare - Blantyre

Sampling



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Sampling at
different depths
through the drop
hole in a confined
space



Existing emptying practices

- Use of chlorine
- Fluidisation
- Fishing out of non-faecal matter before emptying
- Unlined latrines avoided as they are susceptible to collapse after emptying



Water jet employed for cleaning also utilised for agitating hard sludge



Desludging after excessive hydration due to presence of hard sludge

Trial sampler



Accessibility



The sampling that worked



10 pits in Ntopwa (Unlined)
10 pits in Milare (Lined)



Motorised vacuum pump hired from Waste and Environmental Solutions (WES) a private company specialising in pit emptying.

Thank you for your attention!!