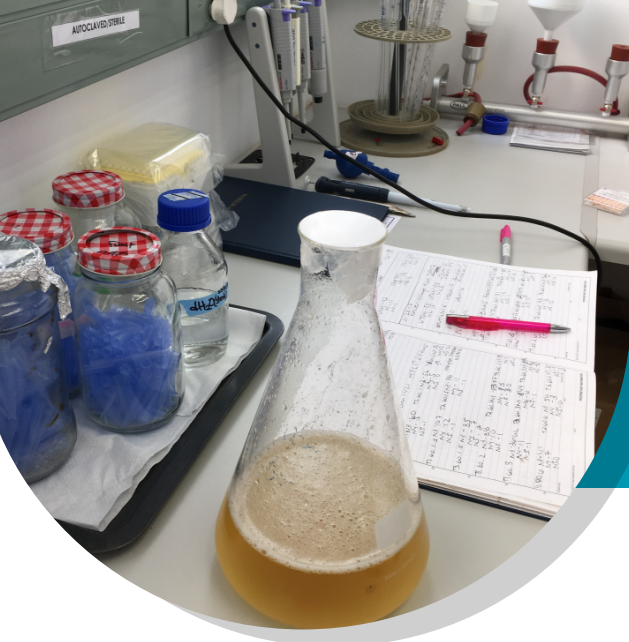




UNIVERSITY OF
KWAZULU-NATALTM
INYUVESI
YAKWAZULU-NATALI



WASH R&D CENTRE
WATER SANITATION & HYGIENE
RESEARCH & DEVELOPMENT CENTRE

WASH R&D CENTRE LABORATORY

OUR SERVICES

- ✓ Laboratory testing
- ✓ Prototype testing
- ✓ Consulting
- ✓ Sampling sanitation systems

CHEMICAL TESTING

- COD
- Total Nitrogen
- Ammonium and Ammonia
- Nitrate and Nitrite
- TKN
- Total Phosphate and Orthophosphate
- TOC
- Calcium
- Sodium
- Potassium
- Magnesium
- Heavy Metals

MICROBIAL TESTING

- Helminths testing and Microscopy
- Escherichia coli
- Total Coliforms
- Faecal Coliforms
- Heterotrophic Plate Count
- Method: IDEXX Colilert and Colisure

MECHANICAL TESTING

- Rheometer testing of Faecal Material
- Sludge Volume Index
- Stickiness Test
- Density

THERMAL TESTING

- Calorimetric Analysis
- Thermal Conductivity Testing
- Water Activity

PHYSIOCHEMICAL

- pH and electrical conductivity
- Alkalinity (Acid capacity)
- Turbidity
- Colour
- Dissolved Oxygen
- Total Solids and Volatile Solids
- Total Suspended Solids
- Volatile Suspended Solids

FEACAL SLUDGE MANAGEMENT

- Faecal Sludge Sampling and Storage
- Community site visits and sampling
- Faecal Sludge disposal



CONTACT

Mr Thabiso Zikalala
Email: Zikalala@ukzn.ac.za