

Winning the Race: Sanitation in Rapidly-Growing Towns

Hai Case Study
Kilimanjaro Region
Tanzania

By:
Eng. Immaculata Raphael

BACKGROUND

- Hai town – Hai district headquarter
- Reliable safe drinking water supply - 1996
Current water supply coverage 80%
- Population 4,000 (1996); 17,755 (2002
National Census; 33,500 (2009 customer
survey)
- Neither centralized wastewater
management nor sanitation plan

Aerial view of Hai Town, 1995



Aerial view of hai Town, 2005



Challenges

- **Cesspit emptier as immediate measure**
 - No waste water dumping site
 - Municipal site, 30km
 - Disposal fee
- **Community understanding/willingness**
 - Operational costs
 - Laws and regulations
- **Investment cost**
 - Centralized sewer
 - Disposal site

Conclusion

- Water is the lifeline and central axis for community development
- Water and sanitation need balanced weight for a sustainable healthy community and environment
- On-site sanitation is outpaced by drastic growing towns

Water is Life and Sanitation is Dignity