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
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*