

Water quality

Partner organisation	SASOL FOUNDATION
Country	KENYA
Fieldwork period/year	2012
Disciplines	Water quality
Title of the assignment	Water quality improvement
Area of work, region, housing, accommodation, transport	Students will be working in Kitui central and Kitui south areas. Accommodation in Kitui town. Transport will be by public means (matatus) or by taxi where applicable organized by SASOL. SASOL & community
Organisation(s) (NGO, training education institute, community	
Context, situation, problem(s) (regarding sector program)	SASOL has been working towards development of a steady supply of quantity and quality water to the community through construction of sand storage dams. The community uses the water for domestic purposes. Thus to ensure steady supply of quality water, water sampling and testing has to be done to ascertain the quality of water fundamental for a healthy community and feedback (results) given to the community. Community training on water quality issues forms an important aspect of the assignment geared towards reduction of water borne diseases.
Objectives (project and program level)	<ol style="list-style-type: none">1.Improving water quality in Kitui communities2. Water sampling & testing as a practical experience for the water quality students.
Brief project description including major activities	Water quality refers to fitness of water for a given use. It involves collecting water samples, testing physical, chemical and biological parameters and

analysing the results then giving recommendations on the best purification methods. Ceramic filters has proved to be one of the most effective and simplest way of water purification thus more ceramic filters need to be distributed to communities to ensure quality water.

Activities under objective 1

1. Follow up the recommendations from the previous teams
2. Water sampling & testing & giving recommendation on the best purification method.
3. Training communities on the best purification methods suitable to them.
4. Distribution of ceramic filters.
5. Evaluation of distributed filters.
6. Follow ups
7. Reporting

Activities under objective 2

1. Guidance, supervision and discussions with technical supervisors
2. Involvement and discussions at all steps and levels by both Dutch and Kenyan students for exchange of knowledge
3. Participation in multicultural events
4. Reporting

Expected results (project and program level)

1. Recommendations from the previous team reviewed and implemented.
2. Water samples collected, tested and results analysed.
3. Ceramic filters distributed.
4. Training the community on the best purification methods.
5. Recommendations given.
6. Exchange of knowledge between the Kenya and Dutch students and also between all the students and the community.

Project phasing

Level Dutch and Kenyan students/graduates

Supervision and guidance (name(s), function)

7. A draft report.
First week – Orientation
In between weeks – Project activities
Last two weeks – Report writing
University, Higher Education,
Secondary Vocational Education –
graduates or undergraduates
Evaluation and progress meetings done
after every two weeks by SASOL staff.