

Senzokuhle CBO Network

School Water Project

AquaDoc UV Installation

Introduction

The report will cover the 16 to 18 November 2012 installation of the Aquadoc UV for the 3 schools in the uMlalazi District Municipality in the uMlalazi Tribal Authority.

The three units were successfully installed in the following schools:

1. Princess Longazana Secondary School on the first day. The unit is installed in the kitchen which is easy to fill the containers and is the closes point to the water source. Each classroom has a Jerrycans with taps total in the school 15 Jerrycans.

The challenges of water shortage during the dry season was explored and plans between the Primary School Nyathni the adjoining school who has the same challenged, was worked out to meet with the Farmers' Association and the local farmer to discuss the connection of the water pipe from the existing pipe that runs alongside the fence of both schools, and the farmers irrigation system to filling the tanks that supply the tank that feeds into the UV unit.

The Deputy Principal and the Induna, Senzokuhle representatives and the local care giver and the Chairperson of the School Governing Body where there to observe and assist in the installation, learner participated in the installation as part of learning and showed a keen interest to learn and question about water purification were asked and Gerrit explain. They enjoyed the lesson as practical learning experience.

The unit was handed over by Gerrit Idema Qwa –Water to the school chairperson of the governing body. They were delighted with the donation of such a valuable resource.

The learners where in the process of writing their final year exam making it difficult to have the whole school together and engage the learners in training it was decided that after the 14TH January 2013 Senzokuhle will visit the school and train the learners and the staff on the use of the system. The chairperson of the Governing body of the school, the women who cook at the school who will be responsible for the management of the unit and the local care giver was trained

2. The second unit installed in Siphosethu High School on the second day the UV unit installed in the kitchen which is in the Administration block. The representative of Senzokuhle and Gerrit from Qwa Water with the Security guard at the school were available to install the unit.

The principal and the Educator were trained to manage the unit with 10 Jerrycans one for each classroom assembled and labeled were presented to the school. Unfortunately it was a week end and the school was closed and the learners had finished writing exams and it was not possible to get learners at the school to be trained. In January 2013 the training will take place on management of water by Senzokuhle. The principal and the educator was trained on the management of the unit.

The unit was handed over by Gerrit Idema Qwa –Water to the school Principal and an Educator. They were delighted with the donation of such a valuable resource.

3. The Third unit was installed at Maguqu Primary School on the third day in the passage next to the offices which is the closes point to the water tanks that supply the unit. The two tanks where connected to supply water to the tank that feeds the UV unit. The Principal and the Governing body representative, the lady who cooks who will be responsible for the management of the unit and Senzokuhle Representatives were assisting Quawater with the installation.

The principal and the Educator were trained to manage the unit with 10 Jerrycans one for each classroom assembled and labeled were presented to the school. Unfortunately it was a week end and the school was closed it was not possible to get the pictures of the children as the school was closing for the December holidays.. In January 2013 the training will take place on management of water by Senzokuhle.

Conclusion

The representatives of all the schools met on the 18 November and requested to convey their gratitude to ZAW for the donation of the AquaDoc UV and is looking forward to a year with less illnesses and healthier children. It was also good to have some learners exposed to how installation takes place and the youth from Senzokuhle had an opportunity to learn skills to install the units and understand more about water purification.

NvdF project schools in KZN further assessed by QuaWater early Nov 2012

SCHOOL A Maguqu Primary School.

Headmaster is mr. Sam Khumalo 072 6254 880

On the Melmoth road R66 ca 10 km outside Eshowe, 500 m up a dirt road on the left side.

The school is also a “Health School”, and has a very active and positive Headmaster.

LOCATION for UV: The Admin building

There is a raw water tank at one end of the building (2500 liter), that could be connected to a second 2500 liter water tank.

There is a **storage room**, ca 15-20 meters from the tank at the backside, with electricity.

(The school has a mobile tower in one corner of the site, bringing in 33.000 Rand per year in lease)

General information: 347 pupils (10 orphans and 89 have single parents), 11 teachers, 8 classrooms. Main health problems are bilharzia, diarrree and vomiting. Some of the people do have access to community taps. The shool participates in the health school program, meaning involving the community in gardening. Producing food for the school, working with permacultures, educating the learners also not to use chemicals. Maguqu is mentoring other schools in this matter.

The electricity supply is regular. They prepare lunch for the pupils daily. When there is a shortage of water they purchase a 5000 liter tanker with water, costing roughly 600 ZAR/ tank. Last year they needed this 3 times. There is a dam a bit further away which they can use, however the water from the dam is not clean.



SCHOOL B Siphosethu High School

Headmistress is Mrs. Dubi.

On the Mandawe Cross road, on the left hand side, ca 4-5 km from the Eshowe-Melmoth road.

Secondary school, not as neat as school A. A female Headmaster.

LOCATION for UV : The admin building

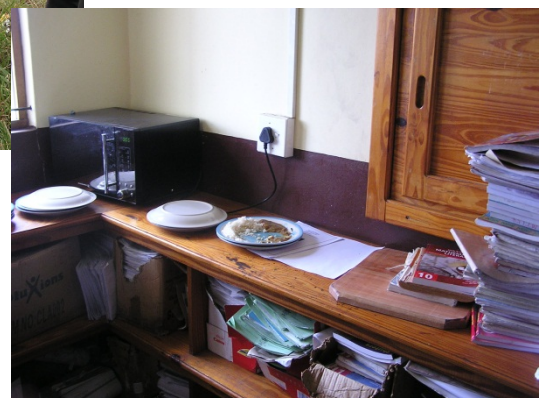
There is a raw water tank (4000 liters?/ 180cm high) on one end, with an underground (gravity-fed) pipe to the kitchen. The municipal pipeline is roughly 12 meters away from the building and then roughly an additional 15meters to the raw water tank. A hose could serve for additional filling of the raw water tank whenever there is municipal water.

The kitchen is ca 15 - 20m down the backside of the building, and has electricity. There is a kitchen cover board that can be cut to accommodate for the UV installation and filling area.

We have agreed that the kitchen will be cleaned out, and only the sink on one side remaining (the shelves are now used for storing books etc.)

General info: 542 pupils, 18 teachers, 1 clerk and 1 cleaner. There are 9 classrooms. In Grade 1 there are 92 (!) pupils, in another grade 71. Thus in some classrooms there need to be 2 jerrycans. The school participates in the school health program and has a vegetable garden.

They harvest rainwater and do have a pipeline giving water once in every 7 - 14 days (they darely use it).. At home the children have either communal taps or river water.



SCHOOL C (secondary at GUDWINI) Princess Langazana Second.School

(The school is past Elomoja take-off on the Mandawe Cross road (D132), and then you take left in the first T-cross, down the hill. The take off is ca 25km from Eshowe and the remaining is 5 km.)

Headmaster a very active young man.

LOCATION of UV:

At the end of the admin building there are 2 raw water tanks, close to a free standing **kitchen**, 3-4 meters away. The pipe can either go through the air between the roofs, or in the ground. The small tank can be fitted on the flat roof of the kitchen, with the UV inside the kitchen, which has both electricity and gas.

General information: 518 students (up from last year's 338). 12 teachers and another 5 to be appointed. No complimentary staff members. 12 classrooms. They collect rainwater and when short then pay 900 ZAR for a tanker that would last them only for 1 week. There is a river closeby and a dam at roughly 2,5 kms distance.



