

## NEWSLETTER: July 2007

### Welcome to the SkyJuice Foundation e.newsletter where we keep our friends and stakeholders updated

#### Highlights to date for 2007

The first seven months of 2007 have been a busy period. Once again our team has adopted a strong advocacy role to highlight the issue of safe and affordable drinking water in developing countries. SkyJuice™ has continued to further develop stakeholder relations with global agencies and NGO's and build on the extensive installation base and experience gained in 2005 and 2006.

Our global reach for SkyHydrant™ installations has extended to Fiji in the Pacific, Oman in the Middle East and Kenya in Africa with further installations anticipated by the end of 2007. We will highlight these safe water projects in this newsletter.

Our achievements would not be possible without the ongoing support and commitment of our enthusiastic volunteers, friends and associates.

#### **KENYA: Obambo-Kadenge Safe Water Project**

In March 2007, the SkyJuice™ Foundation in conjunction with the Tweed Shire Council Mentoring Program installed a "Safe Water Kiosk" consisting of four SkyHydrants for the remote Obambo-Kadenge community in Kenya. This was managed by Marty Hancock of Tweed Shire Council



Potable water supply had been a major issue for the community of Obambo-Kadenge village. There is little likelihood of major infrastructure

development, so the community has mostly relied

on run off water collected in the Gona Dam, a small shallow dam on the floodplain. The run-off passes through cultivated plots, homes and cattle grazing areas. The district dams are highly silted, lack protection from soil erosion or animals and sanitation is almost non-existent. The feed water is turbid (>400NTU). It is contaminated by human activity and livestock waste which can result in a high mortality rate. Outbreaks of water borne diseases such as cholera, typhoid and dysentery are common. SkyHydrant™ water filtration units were selected as the most appropriate cost effective water filtration unit as a physical disinfection barrier high rate filter was essential. The SkyHydrant™ is long lasting, portable, and robust. All operating and membrane cleaning processes are simple, quick, manual and straightforward to demonstrate to the local operators

A Safe Water Kiosk Project committee was instrumental in overseeing site selection, construction of the safe water kiosk, tank stand and selection of the windmill and wind generator. The committee decided that the wind generator and petrol pump would be the most sustainable option for the



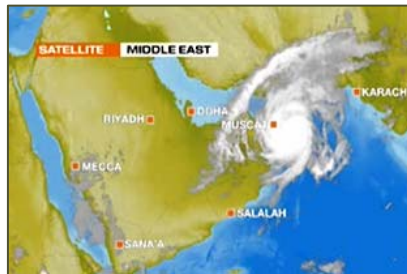
communities' water requirements. Installation of the SkyHydrant™ array of water filters quickly established a reliable safe water supply from the water kiosk. The turbidity (NTU) was 400 prior to filtration. The SkyHydrant™SMF1 filters provide filtration down to 0.1 micron which is sufficient to filter out all solids and bacteria and significantly reduce pathogenic organisms.

It is planned to have ongoing monitoring of the installation and documentation of the health benefits within the community. This will be the basis for further projects anticipated by the Tweed Shire Council and the SkyJuice™ Foundation.

The Safe Water Kiosk Project is more than just an infrastructure project; it is a community project both in Australia and Kenya fuelled by the creative energy, enthusiasm and generosity of the communities in both countries. The project demonstrated the power of combining community participation, cost effective appropriate technology and education to provide an essential service.

## OMAN - Cyclone Gonu

Oman was hit by a powerful category five cyclone on June 6 2007. Large areas in the capital region in the Governorate of Muscat and in Amerat and Quriat in the eastern areas were severely affected.



Cyclone Gonu forced thousands to leave their homes. Officials said the hurricane damaged infrastructure including water pipes, main roads, power, bridges and caused floods and landslides across all regions.



Access to safe potable water was a priority. The SkyJuice™ Foundation supplied three SkyHydrants to Siemens Water Technologies in Oman who gifted these to the Ministry for the Disaster Relief effort for the Sur and Quriat areas in Oman. The SkyHydrant water filtration units are now supplying safe potable water to the affected communities.

## NAGIGI VILLAGE, Savusavu – FIJI

The village of Nagigi is a 45 minute bus ride from the main town of Savusavu; a town in the Fijian Province of Cakaudrove on the island of Vanua Levu



The local school has an existing untreated water supply which is used for non potable requirements however, they do not have a safe potable

water supply. The Rotary Club in the Blue Mountains purchased a SkyHydrant water filtration unit, solar panel and pump which, when installed, will provide a sustainable safe water supply of approximately 3500 litres per day for the school students plus associated families in the district. The photo depicts the school children helping with the ground work ready for the SkyStation™ installation.

The SkyJuice™ Foundation will continue to work with partners and communities to develop programmes whose objective is to improve access to safe water. The SkyJuice™ Foundation places emphasis on developing and evaluating SkyJuice™ water filtration projects that are appropriate, affordable and sustainable.

## Looking Forward

Access to clean water is the key to the Millennium Development Goals as water is crucial to all forms of social and economic development. SkyJuice has continued to reach into rural and remote communities around the globe but the task is immense. In 2003, around 1.1 billion people did not have access to clean drinking water and 2.4 billion people lacked adequate sanitation. Our goals and objectives remain constant, 'Pure water for every child'.

Managing water resources and supplying safe water are two of the greatest challenges for the present generation. The ongoing enthusiasm of our members, volunteers and supporters will assist us to continue our efforts.