



## NEWSLETTER: February 2008

### Highlights for 2007

Well, 2007 marked an impressive year of achievements for the SkyJuice Foundation. It was again a very busy period with our dedicated team promoting our two pronged approach; a strong advocacy role to highlight the issue of safe affordable drinking water, and timely efficient delivery of projects. Our achievements would not be possible without the ongoing support of our committed volunteers, friends and associates.

No doubt the recognition by Siemens AG for the Safe Water Project as the global winner of the inaugural Siemens Corporate Responsibility Award (CRA) was an outstanding highlight for all our stakeholders. In particular, Dr Marty Hancock of Tweed Shire Council and all the Safe Water Project stakeholders equally deserve the praise of a truly worthy global project.



**Mercelin enjoys clean water as a result of the Safe Water Project**

SkyJuice has attempted to further develop stakeholder relations with global agencies and NGO's this year and build on the extensive installation base and experience gained over the past few years. We have now supplied well over 330 units. Everyone has been busy and production of new generation self contained SkyHydrant by Larry James is well under way. The new generation SkyHydrant will be a significant improvement on our initial prototypes. Larry has once again outdone himself with an incredible year of technical support and long periods of "in field" support and commissioning.

We have again presented technical papers and exhibited at all the major global forums in 2007 in order to consolidate the opportunities and

relationships for the SkyJuice Foundation. This has included;

- ◆ The Engineers without Borders 2007 Conference -Melbourne
- ◆ Presentation at the Siemens AG Global Management Conference in Berlin
- ◆ Participation in the inaugural Australia Indonesia Business Council (AIBC) and NSW Government 'Australia Indonesia Trade Mission'



In the year ahead there are additional projects in Latin America, Africa and all regions of Asia. In 2007 SkyJuice and it's partners have undertaken projects in Kenya, Oman, Bangladesh, Fiji, Philippines, Mexico, Peru and Indonesia. We continue to foster key relationships with NGO's and international agencies in an effort to expand the availability of clean safe potable water for children and communities throughout the world. As usual we continue to welcome new partners and also thank existing ones for moving forward with projects.

### Chairman's report

My overwhelming thanks go to our Executive Officer Jann Hughes. Jann has moved us ahead in leaps and bounds since she joined us in September 2006. Her energy and professionalism means that all our programs run smoothly and SkyJuice has been lifted to a new level. Thank you Jann from all of us.

Last year I praised the super efforts of volunteers and friends. Yet again they continue the momentum. I am humbled and amazed at the incredible energy and commitment of our core team, and the long hours they put into the Foundation. A formal welcome on board to our extremely capable finance man, Brian Owles. We are in great debt to Brian's efforts during 2007 as he ensured compliance with all the regulatory authorities and streamlined the organisation. Larry James' indefatigable energy and commitment is inspiring. Not content to further improve SkyJuice technology, his "in field assistance", legendary enthusiasm and support of partners in 2007 has been nothing short of incredible. SkyJuice's results really are due to a special team of people and I applaud their efforts during the year. Thanks to you all most sincerely for continuing to make time and selflessly offer your expertise



Larry James at work  
'in the field' in Fiji

In particular, our key partners have continued to support us and Crown Project Services as well as Siemens/Memcor are singled out again for special thanks. My personal thanks to Marcia, Wendy, Jann, Brian, David and Larry who have contributed generously with time and effort in 2007, we would not be where we are without your efforts.

The primary objective in 2007 was to continue the level of advocacy and seek real feedback on in-field performance of SkyJuice technology. This has led directly SkyHydrant Mark II. In 2007 many of our partners have stepped up to directly deliver projects, with SkyJuice taking a support and backup role. Some follow-up field projects have been sidelined due to ongoing civil disturbances in Sri Lanka. We would have hoped to have undertaken a thorough follow-up on the tsunami project installations. Unfortunately, this looks as if it will be indefinitely on hold. Thankfully, Oxfam International continues to operate many installations servicing existing plants.

As a final acknowledgement on behalf the organisation I personally extend my sincere thanks to our Deputy Chairman David Hughes, who despite having significant personal and business commitments has always made time to "make things happen". David and Larry's installations in Indonesia (Jakarta and Yogajarta)

during the year have confirmed that these two guys are legends in time management and workload.

My thanks again go to our friends and supporters who have contributed in many ways throughout the year. There are plenty, but again we thank the following;

- ❖ Siemens Water Technologies and Memcor
- ❖ Crown Project Services Pty Ltd
- ❖ Singapore Airlines
- ❖ Qantas Airways Ltd
- ❖ Manser Tierney & Johnston
- ❖ Austrade (Indonesia & Mexico)
- ❖ Clean Up Australia
- ❖ International Water Association
- ❖ Australia Indonesia Business Council (AIBC)
- ❖ Atlantis Removals

**Rhett Butler**

## Executive Officer's Comments

The SkyJuice Foundation has achieved much in the past year and in a newsletter it is not easy to convey just what we have been able to do.

The Chairman has already mentioned the work of the volunteers but I would also like to again offer a big thank you to all our volunteers. It is not only the technical expertise which they bring to their work. In a world where the media provides a constant stream of daily diet of stories about disaster, warfare and tragedy, the commitment of our volunteers to making the world a better place is truly inspiring.

SkyHydrant units have been supplied to more than 17 countries over 5 continents. There are communities around the world which have been transformed by the efforts and humanity of our team. I am proud to have had the opportunity to get to know you and work with many of you this past year. Thank you for your support, and be assured that as 2008 unfolds we expect it will be a time of continued growth and development for the Foundation, whilst we remain constant to our core value of Clean Water for Every Child.



A young girl in Garcia Village in the Philippines now has access to clean water

**Jann Hughes**

## Highlights of the Most Recent Partnership Initiatives for 2007

### 1) Bangladesh Emergency response

Cyclone Sidr devastated the delta area of Bangladesh in November 2007. Over 3000 people died and hundreds of thousands of people were left without basic necessities such as clean water.

Siemens responded and donated 20 SkyHydrant water filters to the emergency response effort. Larry James from SkyJuice volunteered to travel to Bangladesh to



Larry James instructing the Bangladesh Army in operations and maintenance of SkyHydrant

assist in commissioning the units and instruct the Bangladesh army engineers on installation and maintenance. As there is no power available in the remote delta area, hand pumps have been utilized. The hand pumps supply over 25 litres per minute (1500 litres per hour), they are easy to operate, inexpensive and there an ample supply of willing helpers. With all the SkyHydrants deployed it is expected that over 200,000 litres of fresh drinking will be produced daily for people

who were drinking unsafe water from local water sources, where water borne disease is causing death and disease. According to UN representatives in Bangladesh, the number of people who



Children filling water containers with safe, pure water from SkyHydrant water filter

became ill from unsafe water reduced to almost zero in the areas where the filters were being utilized.

**2) Peru Emergency response** A devastating earthquake shook the area south of Peru's capital Lima on 15 August 2007, killing more than 500 people and destroying 60000 homes. Siemens Peru were quick to respond to this emergency and with the cooperation of Siemens 'Caring Hands' and SkyJuice commissioned

the SkyHydrant water filtration units for approximately 700 people in the Huamani area in the State of Ica where the only source of water was contaminated



Siemens Caring Hands Peru celebrate the commissioning of a SkyHydrant unit

water from a local stream. The SkyHydrants are consistently supplying approximately 20,000 litres per day for the community. Although the SkyHydrants were commissioned initially as part of an emergency response, the units will remain as a safe source of water for the community in the medium term.

### 3) Rotary Project Savusavu - Fiji

This collaborative community safe water project involved the cooperation of many stakeholders at different levels.

This included the Rotary Club of Savusavu and Lower Blue Mountains, the local Nagigi teachers and school children and the SkyJuice Foundation. The Nagigi Community School drinking



Nagigi School children in Fiji enjoy clean water thanks to Rotary Savusavu Safe Water Project

water was continually contaminated with feral animal waste and as a result the school and local community regularly suffered from diarrhoea and dysentery. Rotary scoped the project and then purchased a SkyHydrant water filtration unit, solar panel and pump which now provides a sustainable safe water supply of approximately 3500 litres per day for the school and associated families in the district. The school children were also educated on safe hygiene practices.

Engaging the community in the project ensures that the community takes ownership and maintains this valuable community asset.

### 4) Nestle Fiji Ltd Corporate Social Responsibility Project

SkyJuice Foundation partnered with Nestle Fiji and Orica Fiji to install a SkyHydrant water

filtration unit in the Nutulea College on the west coast of Fiji in the town of Ba. The school currently relies on untreated stream water which varies in quality during the wet and dry season. In the wet the water is highly turbid (photo below) and contains microbial contamination which

results in children missing school due to ill health. The children will return to school in 2008 with safe pure water on tap. The school maintenance team will monitor and maintain the SkyHydrant system under the watchful of Mr Pradeep Chandra the Vice School Principal



Sample of the tap water from Nutulea College

### 5) Philippines 'Living Water' Project

The Living Water Project, using a mobile SkyHydrant water filtration unit provides clean water twice weekly to the towns of Bitaug, Garcia, Alergia, Tangbo and Rizal on Siargao Island. When the locals see the Living Water Van arrive they run to get their water containers and eagerly await their turn. The communities are very grateful and offer small gifts as a token of their appreciation. Over 5000 people now have access to clean water thanks to The Living Water project.

It is hoped that the project will expand to more towns this year as leaders from other areas are pleading with the volunteers from 'Living Water' to come and service their towns. Extract from 'Living



Members of the community of Bitagu eagerly await their turn to collect clean water

Water' volunteer Sean "What makes this possible is the SkyJuice purifier, 1 - it is so mobile and easy to set up and 2 it is almost 0 maintenance"

**6) Mexico emergency response** The 2007 Tabasco flood occurred in late October and early November 2007 in the Mexican states of Tabasco and Chiapas, in which as much as 80% of the State of Tabasco was left under water. At least 20,000 people were forced to seek emergency shelter. Siemens Mexico quickly responded to the emergency and worked in with the emergency response effort for the State of Tabasco.

Siemens purchased 10 SkyHydrant water filtration units some of which will remain for medium term use whilst others were quickly mobilised for emergency response, supplying much needed potable water.

### 7) Indonesia consolidation Mission

The forces of nature again struck Indonesia in 2006, causing major flooding in impoverished areas of Jakarta and earthquake damage in Yogyakarta.

The SkyJuice Foundation was invited to participate in the inaugural NSW-Indonesia trade mission sponsored by the Australia



Local community members from Kramatjati are pleased that they have a safe free source of clean water

Indonesia Business Council. Three critical projects were identified for Yogyakarta and one for Jakarta.

In Jakarta the community of Kramatjati was severely flooded and with no water infrastructure, has relied on expensive bottled water alternatively the local river water which was not fit for consumption. SkyJuice in conjunction with NSW Parliament Asia Pacific Friendship Group installed and commissioned a SkyHydrant unit which now ensures that the community of 1500 has free, safe potable water.

In Yogyakarta SkyJuice teamed up with multiple stakeholders, including Australian Aid International (AAI), CHF Indonesia and the NSW Parliament Asia Pacific Friendship Group to supply SkyHydrant units



Since the installation of the SkyHydrant the community of Wonosari no longer suffer from ill health due to drinking unsafe water

in Health Clinics in the earthquake devastated area of Yogyakarta in Bantul and Beluk. A further installation was nominated by the Sultan of Yogyakarta for a community water supply in the remote area of Wonosari. The community previously relied on unsafe and untreated river water.

## Siemens Global Corporate Responsibility Award Winner - "Safe Water Project"

Out of a total of 182 project entries from over 35 countries, five projects made it into the final round of the inaugural Siemens' Corporate Responsibility Award. The finalists' projects were presented to the Company's executive management in October at the Siemens Business Conference in Berlin. The prize winning project was the Safe Water Kiosk in the Obambo-Kadenge Villages of Kenya. Siemens supplies low-pressure membrane technology for the SkyJuice Foundation's SkyHydrant water filtration unit. The Australian team partnered with SkyJuice Foundation, the Tweed Kenya Mentoring Programme, The Tweed Shire Community and the International River Foundation. This project addresses the major challenges in developing countries; lack of access to clean drinking water, especially in regions with poor infrastructure.

Dr Marty Hancock, from the Tweed Shire Council travelled to Kenya in early 2007 to oversee the installation and commissioning of the Safe Water Kiosk. The SkyHydrants were chosen for the safe water kiosk as the units are robust, reliable and affordable whilst remaining easy to use and maintain by the local community. In the villages of Obambo-Kadenge the Safe Water Kiosk is providing 2500 people with clean drinking water.

The prize money will be used to further develop projects in developing countries and for emergency relief situations.



Rhett Butler holding the Siemens Corporate Responsibility Award Trophy in Berlin

## New projects- SKYBANK™

We are very pleased to advise that the high capacity SkyBank™ system has been finalised and released. The SkyBank™ is a 4 module unit

designed specifically for higher output installations. It requires a local power supply but is very energy efficient and has a nominal output of 3000L/hr. The new SkyBank was developed from a brief presented to us from Oxfam International. We are hopeful that International Non Government Organisations (INGO's) will adopt the system as a portable and low cost stand alone facility for intermediate facilities such as Internally Displaced Person's Camps and refugee camp installations.

The new system is not a replacement for SkyHydrant. Certainly many partners will still wish to configure multiple SkyHydrants to achieve a similar outcome. The SkyBank™ will most likely attract interest in the water kiosk and micro finance water shop sector. This will be an active area for SkyJuice in the coming year where we will promote micro-entrepreneurs to provide low cost, socially priced water within their respective communities.

We encourage you to visit the website and find out more about SkyBank™. Specification sheets which are available for download

## The Year Ahead

The SkyJuice™ Foundation will continue to work with partners and communities to develop programmes whose objective is to improve access to safe water. We anticipate strengthening relationships with professional and dedicated International NGOs like Australian Aid International (AAI). AAI have a reliable and effective 'in country' presence in Asia and are well positioned to respond quickly to emergencies.

Water is currently an important item on the agenda in Australia and a timely reminder for us to think about the needs in developing countries, where lack of access to safe water is often a silent killer. 3900 children die each and every day especially in Africa and Asia.

Together we can make a real difference.

