

# WATER FOR LIFE



## NEWS

SUMMER 2007

### NARUMU/ USARI SCHOOLS WATER FOR LIFE PROJECT

*For the Lord says, "Though you will see neither wind nor rain, yet this wadi will be filled with water for you, your livestock, and your animals to drink."  
2 Kings 3; 17*

[WWW.Catholic-Action.org](http://WWW.Catholic-Action.org)

## WATER FOR LIFE PROJECT UPDATE

According to the United Nations Development Programme (UNDP) Human Development Report for 2006, more than 1.1 billion people in developing countries do not have adequate access to safe water. Every year 1.8 million children die from causes related to unclean water and poor sanitation. This is equivalent to 4,900 deaths every day; intestinal disease is the second highest cause of death in the world for children under 5 years of age. In sub-Saharan Africa, over 300 million people lack access to safe water.

The purpose of the Narumu/ Usari Schools Water for Life Project is to provide a new source of safe drinking, cooking and personal hygiene water to the Narumu Secondary and Usari Primary Catholic School complex. The complex includes housing for 1500-1750 students, lay staff, priests and nuns, a church and infirmary. In addition, two villages along the pipeline route will be provided with safe drinking and cooking water. An emergency power source will also be installed to operate the pumps and the Ultra-violet (UV) purification devices. Emergency power will augment the hydro turbines which are powered from the source water flow and are included in the project design.

The construction and technical aspects of the Narumu/Usari Water for Life Project include: containment of two (2) existing springs that are fed by the Kilimanjaro Mountains; developing a water distribution system; installing hydro generators and an emergency generator to supplement the electrical power necessary to process the water through a new purification system complete with a water clarification and chlorination or UV disinfection system during the frequent power outages experienced in that area.

The current water supply to the Narumu school complex and surrounding area is highly contaminated with harmful bacteria. Culture-disc testing resulted in uncountable bacteria levels within the standard 24-48 hour test period. The incidence of student sickness is at a historical high level varying with seasonal rainfall.

This project will provide for the following:

- facilities to isolate, contain and protect two new cleaner water springs
- for the design and installation of proven water filtration and purification systems
- the installation of water storage facilities
- Upgraded piping to distribute clean water throughout the school complex for drinking, cooking and hygiene purposes.
- One single-use point Biosand filtration/purification station will be installed in each of the two villages along the pipe route. The water is being provided to the villages in exchange for villagers providing the labor to construct the 2300 meter long pipe run from the springs to the school complex. (The distance is approximately two miles and the labor donated by the villagers will save approximately \$25,000 in labor costs.)

To accomplish the objectives of the project, it will be necessary to build a containment system at the water source. The water coming to the school will be processed through a compact purification system developed by volunteer engineers in Cleveland. (The purification system is being used successfully in rural Honduras and in Haiti.) This system consists of a series of filters and ultraviolet light and hence requires a stable source of electricity that can be produced by the added emergency generator. (Engineering support which is worth approximately \$100,000 is being donated).



(Engineer Joe Kocurkovic, Sr. Bernarda Moshi, School Principal, Mr. Kessy from the Hai Water District Office, and local children)

The estimated cost of the project has increased from \$70,000 to \$100,000 because of cost increases in materials, supplies, equipment and the need for conducting topographical studies of the project development area.

To date the project has raised \$33,448 from the following sources: Parishes (12,873), Religious Communities (6,895), Diocesan Office (2,500), Foundations (3,000) and Individuals (7,210). Additionally, grant applications to national foundations are being submitted for their help in complementing the funds at hand.

**Project Cost Breakdown of Principal Elements (USD):**

- Storage Tanks & Purification, Installation: 29,200
- Spring Containment and Piping to School: 20,000
- Storage Tank and Purification Equipment: 26,800
- Shipping, Supervision, Contract Labor: 12,000
- Power Generation: 8,000
- Miscellaneous: 4,000
- Grand Total Project (incl. 5% Contingency): \$100,000

**Implementation Plan:** Assuming approval of these grant applications, the project will be implemented in six phases starting in September 2007:

1. Conduct topographical study and develop, contain and protect spring water sources (March 2008)
2. Modify and run upgraded piping from springs to villages and school boundary (March 2008)
3. Install Biosand filters in villages (April 2008)
4. Construct main storage tanks and install hydro turbines at the school complex (June 2008)
5. Install school distribution piping and secondary storage tanks (July 2008).
6. Complete the installation and check out of the water purification systems and generator in school complex (August 2008).



(Engineer Dr. Harry Hatters and Narumu Secondary School student)

**Project Monitoring and Evaluation**

- The Hai Water District Agency personnel will monitor spring water quality and integrity of the installation.
- School administration will test purification of village and in-school water output quality using culture-disc by on a monthly basis.
- Local testing agency will perform annual comprehensive water quality test panels.
- School administration will track student and village sickness incidence rate on an on-going basis.
- U.S. engineers will continue communication with school administration to confirm system performance, reliability, maintenance record review on a quarterly basis.
- U. S. support engineer will also provide on-going problem solving assistance as required.
- School administrations, Hai Water District Agency personnel, and DSAO will work together to provide necessary information for periodic reports.



(Sr. Bernarda, Joe Kocurkovic and School Trustee Valerian Thomas Kweka)

# Project Donors & Supporters

## Saint Basil the Great

For nine years Fr. Walter Jenne, Pastor of St. Basil's Parish in Brecksville has been leading parishioners on mission teams to Honduras. A cadre of doctors, nurses, engineers and caring parishioners has forged bonds of mutuality and solidarity with the needy in San Francisco de la Paz, Honduras.

Because of the generosity and talent sharing by many parishioners from St. Basil the Great, this solidarity relationship has witnessed the following miraculous actions:

- Local villagers are now worshipping in a number of small churches located close to their homes
- Several homes constructed for needy village people
- A local doctor and dentist provide affordable and often free medical care for the needy
- Clean latrines have been constructed for the benefit of the people
- School supplies and religious sacramentals given to grateful and enthusiastic children and adults
- Clean drinking water has been made available to entire villages

Joe Kocurkovic and Dr. Harry Hatters, retired chemical engineers, have spearheaded the water purification efforts of St. Basil's Mission Team in Honduras to support the medical work headed by Dr. Richard Pine, M.D.. The availability of pure, clean water has made it possible for the Mission Team to embark on many worthwhile medical and development endeavors benefiting the people of San Francisco de La Paz, Honduras.

Through the sponsorship of St. Basil's Parish, Joe Kocurkovic traveled to Moshi, Tanzania on May 5<sup>th</sup> of this year and met Dr. Hatters at the project sight for preliminary discussions and cost evaluation of the Narumu/Usari Water for Life Project. Both men returned to Cleveland with fond memories and a burning passion and commitment to help ensure that the students and villagers of Narumu/Usari are afforded the gift of clean and pure water.



(Fr. Deodatus Kaunare, Sr. Bernarda, Joe Kocurkovic and Usari School children)



## Queen of Heaven Clean Water Project Deacon Bob Bender, Queen of Heaven Parish, Green

Late last fall, during the course of a homily on the Last Judgment, our parish became interested in the startling reality that while Americans spend more than 12 billion dollars annually on bottled water, more than 2,000,000 children worldwide die from diarrhea, largely from drinking unclean water. Almost no one in America dies from diarrhea. Virtually all of the tap water that we drink is free from life-threatening bacteria and most of us cannot tell the difference in taste or aroma from bottled water. A challenge was put forth, as a people who promote life, to do something about this!

That challenge became the Queen of Heaven Clean Water Project. About 200 families agreed to give up drinking bottled water for about three months and to collect the money saved in water bottles that had been prepared with a logo we created. Several folks created fund raisers for this purpose. A prayer card related to the theme of clean water was distributed. Announcements were prepared for the bulletin that compared life in the United States to life in Tanzania. All of this became personal when we connected to the Water for Life Project of our diocese and we became familiar with the very people in Tanzania who will benefit from our efforts. A picture collage now hangs in our gathering space of these good people. In all of this, we are trying to not only provide clean reliable water, but to promote solidarity with our sisters and brothers in another continent. \$6,849 was raised through our efforts.

## The Church of the Gesu

The spirit of solidarity and the preferential option for the poor have challenged Gesu parishioners, under the guidance of Father Mark George, SJ, to consider the basic need of students and villagers in Moshi, Tanzania for clean water. After participating in several meetings with the Council on Global Solidarity's Narumu / Usari Water for Life Committee in 2006, Father George and Bob and Bunny Hill presented the project for consideration by their parish Social Concerns Commission, which agreed to donate \$1,000 from its budget.

With the blessing of the parish Finance Committee, a flyer and return envelope were inserted once in the weekly Gesu Bulletin to inform parishioners of the project and give them an opportunity to donate directly. The insert and envelopes were also placed at the church exits for the following 16 weeks. The parishioners have responded generously. To date, The Church of the Gesu and its parishioners has donated a total of \$3,300.

As a result of the attention generated by the Water Project, Gesu parishioners learned that one of their own sons, Jesuit Father Ted Walters, is now teaching communications at St Augustine University of Tanzania. Father Walters was a member of Gesu before entering the Society of Jesus in the 1940's.

**Parishes, Religious Orders, Diocesan Offices,  
Organizations and Foundations:**

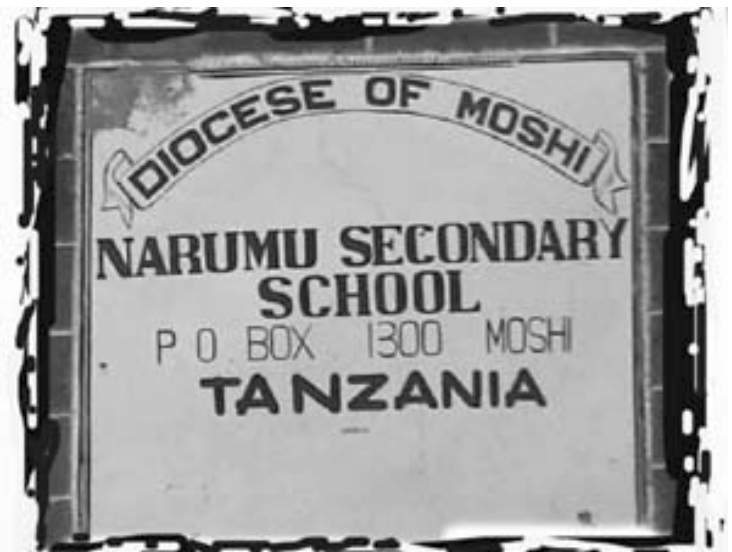
Queen of Heaven, Green – \$6,849.00  
St. Basil the Great, Brecksville – 1,800  
Church of the Gesu, University Heights – 3,300  
Sagrada Familia, Cleveland – 865.00  
Our Lady of Victory, Tallmadge – 1,000  
Immaculate Conception, Akron – 918.01  
Monastery of the Poor Clares, Cleveland -\$5,000  
Sisters of the Incarnate Word, Parma Heights- 450.00  
Sisters of Charity of Saint Augustine, Richfield - 1,000.00  
Discalced Carmelite Nuns, Cleveland Heights - 200.00  
Sisters of the Holy family of Nazareth, Cleveland – 100.00  
Brothers of Holy Cross, Gates Mills – 45.00  
Congregation of St. Joseph, Avon – 100.00  
Diocesan Mission Office –\$ 2,500  
The Bridge Foundation - 3,000  
St. Vincent De Paul - St. Paul's Conference/Akron – 242.00  
St. Vincent De Paul - Lorain Council - 1,000  
Notre Dame College Students - 170.00

**To view and share the color photos of this  
newsletter with family members or friends, visit  
the Council on Global Solidarity link in the  
Diocesan Social Action Website at  
[www.catholi-action.org](http://www.catholi-action.org)**

**The Narumu/Usari Schools Water for Life  
Project** is an initiative of the Cleveland Diocese  
Council on Global Solidarity and the Social  
Action Office in collaboration with St. Basil the  
Great, the Church of the Gesu, St. Agnes- Our  
Lady of Fatima, St. Cecilia, the apostles of  
Jesus Missionary Order and the Tanzania Hai  
Kilimanjaro Water Region Office.

This project offers both the challenge and the  
opportunity for acts of solidarity – getting to  
know the villagers, teacher and student  
exchanges, and school pen pal programs  
between Cleveland Diocesan Schools and  
Narumu/Usari Schools.

**Tax-deductible contributions to the Narumu/Usari Water for  
Life Project can be mailed to:**  
**Catholic Relief Services (CRS) Office**  
**Trinity Center: 2500 Elyria Avenue**  
**Lorain, Ohio 44055**  
**Attention: Deacon Rocky Ortiz, CRS Director**



**Narumu/Usari Water for Life Committee Members**

Fr. Isidore Munishi, AJ  
Fr. Mark George, SJ  
Bernadette Hill  
Robert W. Hill  
John Hissong  
Joe Kocurkovic  
Dr. Harry Hatters  
Jane Dinda  
Alan Dahart  
Vanessa Griffin-Campbell  
Tom Allio  
Deacon Rocky Ortiz

FOR INFORMATION ABOUT MEMBERSHIP ON THE  
DIOCESAN COUNCIL ON GLOBAL SOLIDARITY  
OR THE NARUMU/USARI WATER FOR LIFE  
PROJECT, CONTACT DEACON ROCKY ORTIZ AT  
(440) 245-5043 OR VIA E-MAIL AT  
[jrortiz@clevelandcatholiccharities.org](mailto:jrortiz@clevelandcatholiccharities.org)

On behalf of Bishop Richard G. Lennon, the  
Diocesan Council on Global Solidarity members,  
the students and villagers from Narumu/Usari,  
Tanzania please accept our deepest appreciation  
for the support you have given us. We ask that  
you join your prayers with those of Fr. Isidore,  
Sister Bernarda, the Christian and Muslin students  
in the Narumu/ Usari schools and also their village  
parishioners in the Church of St. Theresa. Let us  
pray for God's love and peace.

A servant in Christ,  
Deacon Rocky Ortiz