

Water Issues Survey

(For communities, health clinics, churches, orphanages, schools, etc.)

Date of Survey _____

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This form seeks basic information to help determine the possibilities of developing a clean water project for your location.

If possible, please answer each question. If you can't answer some items, just pass over them. Please attach any photographs or detailed sketches that might be helpful. When giving a distance or measurement, indicate the units you are using (such as km or miles).

Feel free to add any other pertinent details that aren't covered in these questions.

1. About this location:

Country _____ District or region _____

Name of Location _____ GPS coordinates (long/lat) _____

Type of facility (church, clinic, etc.) _____

Of what larger organization is the location a part? (Church, NGO, Peace Corps, etc.)

Person preparing this survey _____

Address _____

Telephone _____ Fax _____

E-mail address _____

Your position of responsibility in the location _____

Other local contact person _____

Address _____

Telephone _____ Fax _____

E-mail address _____

How did you learn about Living Waters for the World (a mission project of the Synod of Living Waters, Presbyterian Church (USA))?

2. Local conditions:

A. A Living Waters for the World system typically provides clean water for some 300 people. How many people would need to be served at this location?

B. Are some potential users present only part of the time — for example, students who are away when school is not in session? Explain.

C. If the system could be expanded, are there others living nearby who might use the water, and if so, how many?

D. Please describe the climate: Temperature range, rain patterns, seasonal changes, etc.

E. Is there a potential for using solar energy? Yes_____ No_____

F. Describe the terrain: Mountain____ Plains____ Desert____
Valley____ Forest____ Other_____

G. What is the nearest city? _____

How far away is it? _____

H. What is the average annual household income? _____

I. What is the common language? _____

What is the official language? _____

J. How many of the people can read and write? (Pick closest answer)

10%_____ 25%_____ 50%_____ 75%_____ 90%_____

K. Is electricity available? Yes _____ No _____

If yes, is it: 120 volts _____ or 220 volts _____

50 hertz _____ or 60 hertz _____

How many power outages have there been in the last six months? _____

How far is the nearest major electrical hardware store? _____

L. How far is the nearest major plumbing hardware store for:

- 750 – 2500 liter (200 to 600 gallon) water storage tanks? _____

- PVC plastic pipe, fittings, glue, solvent, etc.? _____

- What sizes & schedules are available? _____

- Scale: Metric _____ or English _____

M. How far away is the nearest swimming pool supplies dealer? _____

N. Is there an existing building to house a clean water system? If so, please describe it, and if possible enclose a floor plan sketch or a photograph, or both.

3. Existing Water Source and Uses:

A. Is there a pipe bringing water into the location? Yes _____ No _____

If yes, please describe, including pipe size:

If yes, is the water treated in any way? Please describe the method used:

If yes, is the water at the site stored in cisterns or tanks? Yes _____ No _____

- In the ground? _____ and / or on the roof? _____ Tank volume? _____

B. How far away is the water source from your building? _____

C. What is the primary source of water?

Municipal system _____ River or stream _____ Lake or pond _____

Reservoir _____ Spring or seep _____ Hand-dug well _____
 Drilled well _____ Captured rainwater _____
 Other (describe) _____

D. If there is another water source, what is it, and how far is the source from your building?

E. For any of the above sources, please describe particular details:

Availability: _____ hours per day; _____ days per week _____ weeks per year

Quantity (water flow rates), depth of wells, vertical distance (above or below) the point of use, is the source properly protected? Describe security measures for source, etc.

F. Describe the water in your location. (Check those that apply)

Taste:
sweet _____ salty _____ sulfurous _____ soft _____ hard _____

Is the water contaminated? Yes _____ No _____

How is that determined? _____

Is the water contaminated by chemicals or heavy metals? Yes _____ No _____

If yes, with what? _____

Has the water quality been tested? Yes _____ No _____

If yes, please enclose test result if possible.

G. Does the location have a kitchen and provide meals? Yes _____ No _____

If yes, how many people are fed on a weekly basis? _____

H. Does the location provide drinking fountains from a water system? Yes _____ No _____

I. Is bottled water available for people who will be served? Yes _____ No _____

What is the cost of the bottled water? _____

Brand: _____

Is bottled water delivered to the purchaser's home? Yes _____ No _____

4. Health Problems: (Please obtain this information from the local Health Department or from the most reliable source possible, remembering that mothers are often the most knowledgeable and most frank about illnesses.)

A. Name and title of person providing the information

B. Is there a health clinic or medical services at the location? Yes _____ No _____

Is there a health clinic or medical services in the area? Yes _____ No _____

If yes, describe services provided and the relationship with the local community or agency:

C. Unsafe drinking water can transmit many diseases, such as diarrhea, dysentery, abdominal pain, cholera, typhoid, hepatitis and worms. What are the most frequent illnesses in your area:

For adults _____

For children _____

For infants under 2 years _____

D. On an average day, how many people are absent because of water-related illness?

- From work: _____ One in 25 _____ One in 10 _____ One in 5 _____ Half

- From school: _____ One in 25 _____ One in 10 _____ One in 5 _____ Half

E. About how many children die before the age of 5?

_____ One in 25 _____ One in 10 _____ One in 5 _____ Half

What is the most common cause? _____

F. How are sewage and solid waste disposed of?

G. Do most people in the location – and its community — understand the relationship:

- Between health and clean water? Yes _____ No _____

- Between health and sanitation? Yes _____ No _____

5. Development Issues:

A. Have the people expressed a desire for a clean water supply? Yes____ No_____

B. Is the location willing to devote time, money and labor toward the planning, construction, proper use and maintenance of a clean water system?
Yes_____ No_____

C. Will the users expect to pay a fee for water? Yes_____ No_____

D. Is a facility director or committee in place now that could act as, or serve as a Water and Sanitation Committee? (This person would be responsible for the operation and maintenance of the system, hiring an operator, and overseeing the work, etc.)
Yes_____ No_____

If yes, who is this person or group? _____

E. Does the location currently provide water and sanitation education?
Yes_____ No_____

If no, would it accept help in establishing such education? Yes_____ No_____

F. Are women involved in the normal decision-making processes?
Yes_____ No_____

G – Has there been a water supply or treatment project in this area before?
Yes_____ No_____

If yes: When?_____

What group?_____

Was it successful and is it still operational?_____

If not, what happened?_____

6. Other issues:

A. What political or legal situations exist that might have a bearing on the installation or operation of a clean water system?

B. Will legal permits of any sort be required for a clean water system?

Yes _____ No _____

If yes, what person will be responsible for obtaining them?

Name: _____

C –Please list the names and titles of any local and governmental agency individuals and contact information for other individuals who may be helpful:

For office use only: Project Number _____
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