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PRESS RELEASE

## **Water Pasteurization Indicator (WAPI) Temperature Lowered to 65°C**

MAY 1, 2009 San Diego, CA - Solar Solutions officially lowered the required temperature of the WAPI (Water Pasteurization indicator) to 65°C to achieve effective solar water pasteurization through the use of their patented solar water purification device, the AquaPak®. Lowering the required temperature level will allow a significant increase in the amount of potable water that can be pasteurized daily, which could result in far less illness and death caused by consuming contaminated water, particularly for small children and infants.

The AquaPak employs a reusable indicator called a WAPI (Water Pasteurization Indicator) that holds a small amount of temperature-sensitive colored wax. Using only solar energy, the wax melts when heated to the required 65°C temperature, indicating that pasteurization temperature has been reached and the once contaminated water is now safe to drink. Depending on the availability of sunlight throughout the day, an AquaPak can produce 3 gallons of water per day, enough safe drinking water for a family of four.

The change in the required temperature was made by Solar Solutions following months of studying the pasteurization process at their San Diego facility as well as with outside labs and literature searches. This temperature reduction requirement coincides with the long-standing 65°C requirement recommended by SCI (Solar Cookers International).

Solar Solutions LLC designed the AquaPak to be mass-produced in tropical developing countries for an estimated \$2.00 each or less. These sustainable AquaPak manufacturing facilities will not only produce an inexpensive solar powered water purification device and water storage container, but will create jobs in the local communities.

Solar Solutions continues to work to align this portable, life-saving water purification device and the manufacturing technology with international government authorities and humanitarian health organizations, such as UNICEF, United Nations, World Health Organization, and others. While US pharmaceutical companies are striving to provide affordable antibiotics to these poorer nations, the affected populations are frequently taking the medications with pathogen-laden water, which can cause diarrhea and death by dehydration. The AquaPak provides a realistic long-term solution by eliminating the reintroduction of the offending pathogens to the digestive system.

Solar Solutions was founded in 1996 by inventor and entrepreneur, Frank Husson, to provide inexpensive solar powered solutions for global water purification.

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