



APPLICATION BULLETIN

PAKISTAN EARTHQUAKE EMERGENCY RESPONSE

In October 2005 the SkyJuice Foundation collaborated with Australian Aid International (AAI) to provide an automatic water treatment plant for the support and medical staff assisting with the devastating earthquake in Muzaffarabad and surround villages in Pakistan.

The SkyHydrant emergency unit weighing only 25 kgs was express air freighted to AAI and was installed and in working order producing 15,000 litres per day of potable water from poor quality surface water within 48 hours following the initial response. The unit was installed at a facility which served the support disaster relief personnel as well as medical emergency support staff. The SkyHydrant unit was able to guarantee all volunteers pure bacteria free water reliably and without the huge logistical cost of bottled water.

The SkyHydrant unit was installed and operating within 30 minutes and consistently produced safe potable water for over 10 months during the interim emergency phase. Since this time, the SkyHydrant has been donated to a local mountain community village of Bagh, southeast of Muzaffarabad, and will be used as a medium term water supply.

In November 2006 Oxfam International undertook a thorough assessment of the interim water supply requirements of the earthquake affected regions. It was decided to deploy an additional 20 SkyHydrant systems throughout the region.

Many of the units installed and deployed by Oxfam in Pakistan had been used extensively in Sri Lanka during the 2004 Tsunami safe water assistance programme. These units were decommissioned, revalidated and deployed to Pakistan as a medium term solution. The SkyHydrant system was selected because of the readily available head pressure in the mountainous regions as well as ease of operation, minimal maintenance requirements and no consumable chemicals required to operate the system.



Unloading SkyHydrants
For installation in Bagh Village

AAI and SkyJuice Foundation
completed SkyHydrant
installation for support and
medical personnel in Bagh
Village, Pakistan

