

September 2, 2012

## Rainwater Catchment System Health Check Report

Health Check Conducted on: **August 24, 2012**

Health check as been performed on the installed base outlined in the attachment.

### Summary

The system is a functional rainwater catchment system used for household water purposes. The system major components consist of a conveyance system, two above ground interconnected tanks (this is assumed due to location and single filtration system although not tested) , a pump and a filtration system.

Overall the system is not fully functional and is in need of repair.

### Major recommended Changes, additions, and repairs:

- Remove all four (4) screens on roof drains. These are causing overflow issues and damaging the roof.
- Install pre-filters on incoming conveyance pipes prior to the tanks.
- Fix structure for the tank leading into the house. It is highly likely both tanks freeze and no water is available during the hard freezes.
- Install overflows for both tanks.

### Other Observations:

- Roof around the canales need to be repaired. Over flow around the edges is causing roof/wall damage.
- Water tanks do not appear to be potable-grade water tanks. I am checking with the manufacturer on this and will let you know as soon as I hear back from them. Normally potable water tanks are labeled accordingly. Given you are installing a upgraded filtration system this may or not be an issue, but you should be aware of it.