

During play the other night the consideration of water in the Morrow Project came up. We all know that the teams deployed with water purification tablets that will render most water safe. This will work fine for the short term, but tastes god-awful and is a limited resource.

A better mouse-trap is in order. Submitted for your approval. The following:

- 1 5 liter per minute rotary pump (wt=2.5kg)
- 2 50 feet of 1 inch hose with connectors (wt=1.2kg)
- 3 ultra-efficient osmotic filtration system (wt= .25kg)
- 4 20 liter stainless steel barrel. (wt= 2 kg)
- 5 3 15 liter metal jerricans (wt=2 kg each)
- 6 sanitizing kit (used every time the filter is changed) (wt=.3kg)

Total weight 8.25kg

This should allow enough water for a normal team for about 1 – 1 ½ days in normal temperate zones.

The water pumped goes into the filtration system which trickles into the steel barrel. It takes about an hour to filter and fill this barrel. This can be in turn used to fill the jerricans. To fill all containers takes about three hours.

Due to its nature the filter element is good for about 2000 liters. It progressively turns red, as it approaches non-usability. It is clearly labeled to indicate change-out.

It is highly recommended that P.D.s place at least two filter elements and sanitizer kits in each cache. As they are relatively small and light this should be no problem.