Making your drinking water potable: clean water is your responsibility.

I want to show you how you can manufacture a ceramic water filter. The OUTBAC filter is a life-saver. Let us show you how!

Have you ever wondered where water comes from? If you're fortunate, water is all around you, in just the right amounts and in the right places. Ultimately, fresh water is the result of the Earth's water or hydrologic cycle (Figure 1). Basically, the sun's heat causes surface water to evaporate. It rises in the atmosphere, then cools and condenses to form clouds. When enough water condenses, it falls back to earth in the form of rain or snow. This process repeats itself continually giving you water. Just 1 per cent of this water is accessible for you. This water comes from two main sources: groundwater and surface water.

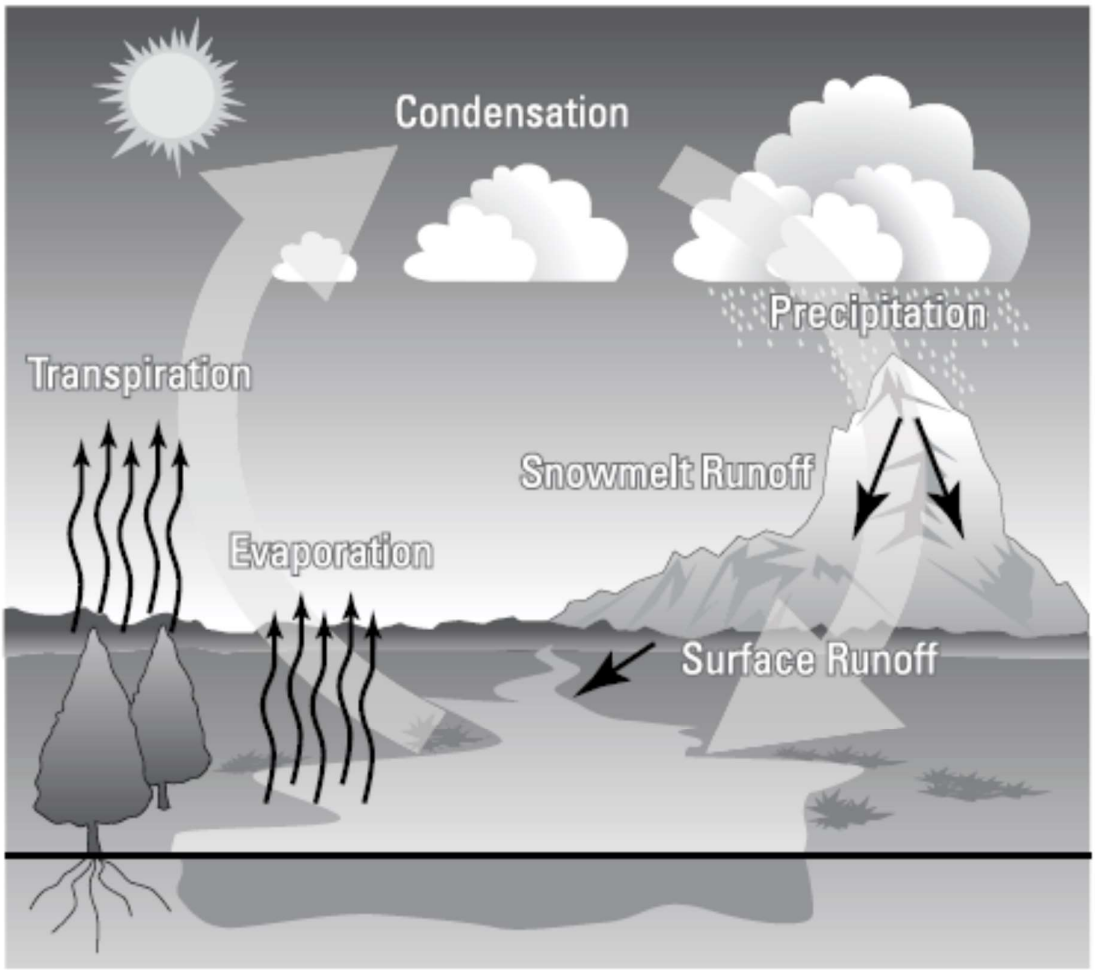

Figure 1: Water cycle (Water Quality Association- WQA)

Unfortunately, due to pollution we have to treat this water through disinfecting and purifying the untreated ground and surface water. The purpose such water treatment is to make water potable — that is to say, safe to drink — as well as palatable — good tasting.

Developing the OUTBAC filter

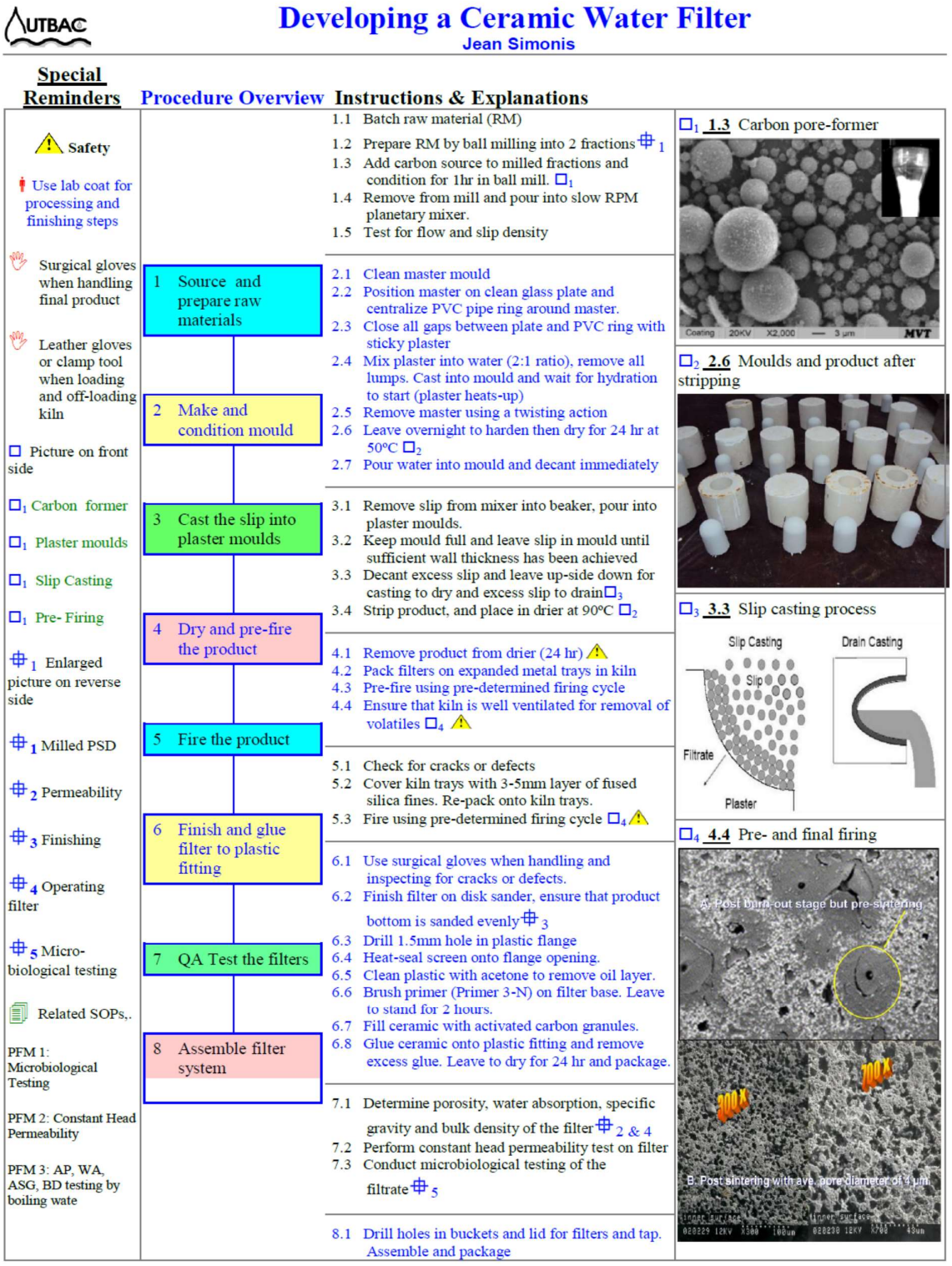

Figure 2: Process of making a water filter

Together we can make a difference

Jean Simonis