Your Project Questions Answered!

This document will outline and answer some of the frequently asked questions about the project, so keep an eye out for updates.
If you have any questions about the project, please ask your tutor.

Q. Can a container, as well as the 2L of water, end up in the 4L receiver vessel?
A. No, as this would constitute touching the vessel, which is against the rules.

Q. What are the dimensions of the receiver vessel?
A. The vessel stands 230mm high and the opening is 185mm x 120mm (see picture below).

Q. Does all of the water have to be returned to the water source, or can it be stored elsewhere during our trial?
A. You can do either (keep in mind that the excess water needs to be transferred to the water source after your run- you can't just spill it on the ground).

Q. How far from the water source will the rig be set up? (ie how far will we need to transport the
excess water)
A. The test rig will be less than 1m from the water source.

Q. Can our equipment/receiver vessel touch the ground?
A. Yes.

Q. What are the dimensions of the water reservoir?
A. 360mm x 740mm x 130mm (inside dimensions) see picture below

Q: Can we collect the 2000g of water during the 30sec run time, and then deliver it to the 4L container after?
A: No – see Rule 7. "The flow of water into the receiver vessel must have ceased before the end of the Run Period."

Q: What are the exact dimensions of the tables?
A: See the competition rules – "The test entry is to be supported on a 1500mm x 600mm table whose surface is 700mm above the ground."
(Because you are not given dimensions to the nearest mm, you should allow for variations of at least +/- 5mm or +/- 10mm to be on the safe side. The actual table choice will depend on what's conveniently available at the time.)

NEW!
Q: What is the flow rate?
A: I am confident that the flow is now not less than 6 litres nor more than 8 litres from each outlet tube in 30 seconds. Clearly the actual water flow at the outlet does not stop immediately when the ball valve is closed. Rule 7 should be very carefully read.
I do not intend to test the flow any further.
Please note: the flow rate will NOT change from the prototype testing

Rewording: From the prototype testing we are confident that we do not need to test pairs of entries simultaneously in order to finish testing in the time available. Rule 10 has been modified by changing the word "will" in the first sentence to "may".

Before the competition: All students should re-read the competition rules a number of times. They have been very carefully formulated and are the basis for the running of the competition.