Aston University

Estates & Facilities

Water hygiene at Aston University

Installation of DHWS, MCWS and TFCWS

DHWS

The following procedure must be followed to determine suitability of a proposed service.

- All proposed DHW supplies must incorporate a Secondary Return.
- At the **earliest** opportunity it must be established that flow exists in the proposed supply and return pipes

If this is not the case then the circuit must be investigated and flow needs to be established.

When flow has been established in the flow and secondary return pipes then isolation valves and drain points must be installed so that water samples can be taken from the source.

These will be in addition to isolations valves and drain/injection points incorporated into the new circuits designated to be connected to the proposed supply point.

Water samples

The proposed supply connection should be sampled and a visual inspection made of the water, it should be clear and odourless.

The temperature of the water should be recorded after 1mins of flushing; E&F should be informed if this does not achieve 50℃ **before any samples are taken**

Providing the above has been met

Collect a sample of water for testing

Then

After 15 minutes of flushing collect a second sample for testing

DCWS (Mains and Tank)

The proposed supply must have an isolation valve and drain point installed so that flushing can be achieved and samples can be taken.

The proposed supply connection should be sampled and a visual inspection made of the water, it should be clear and odourless.

The temperature of the water should be recorded after 2 mins of flushing; E&F should be informed if this is greater than 20℃ **before any samples are taken**

Providing the above has been met

Collect a sample of water for testing

Then

After 15 minutes of flushing collect a second sample for testing

<u>The specification of the sample tests required will be provided by the Engineering Officer.</u>

All testing should be carried out by a UKAS accredited Laboratory

Any service identified for use must be either proposed by or agreed for use by E&F and at the earliest opportunity and as far as is reasonably practicable an inspection shall be made to ensure that any proposed pipe work does not contain any dead legs or unnecessarily long pipe runs.

The Engineering Officer must be informed **before** any samples are taken or submitted for testing.

The results of the temperature testing and any anomalies regarding the quality of any water flushed from the system must be reported to the Engineering Officer at the earliest opportunity.

All pipe work and fittings used for temporary connections or that form part of modifications to an existing or are installed as new must be sterilised in accordance with the Water Regulations.

G Faulks
Engineering Officer