

ECD-HS-PR-440-06-14

Water Hygiene at Aston University

Installation of DHWS, MCWS and TFCWS to existing services

Selecting an existing service to connect to

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, and each of these pipes must be identified as to which is flow and which is return.

Tape markers should be applied once established, these should conform to BS 1710 and BS 4800

If correct flow cannot be established then the circuit must be investigated it should be reported to the ECD help Desk.

When flow has been established in the both of the flow and secondary return pipes then a means of removing water for sampling must be established before the pipework is isolated.

All new connections must be preceded by an isolation valve in both flow and return pipes with a drain/injection point being incorporated immediately after the isolation valves.

Water samples

The proposed supply connection point should be sampled and a visual inspection should be, it should be clear and odourless. If this is not the case report to the ECD Help Desk.

The temperature of the water should be recorded after 1mins of flushing; ECD should be informed if this does not achieve 50°C **before any samples are taken or this service pipe is further extended.**

Providing the correct flow and temperature has been confirmed as above and in conjunction with the Engineering Officer, arrange for water samples to be collected and submitted for testing by a water hygiene specialist as described below.

Collect a sample of water and then flush for 15 minutes and collect a second separate sample. Both samples should be submitted for testing.

Connections to existing DCWS (Mains and Tank Fed)

All new connections must be preceded by an isolation valve in with a drain/injection point being incorporated immediately after the isolation valves.

The proposed new 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 point should be sampled and a visual inspection made of the water, it should be clear and odourless. If this is not the case report to the ECD Help Desk.

The temperature of the water should be recorded after 2 minutes of flushing; ECD should be informed if this is greater than 20°C **before any samples are taken or this service pipe is further extended.**

Providing the correct flow and temperature has been confirmed as above and in conjunction with the Engineering Officer arrange for water samples to be collected and submitted for testing by a water hygiene specialist as described below.

Collect a sample of water and then flush for 15 minutes and collect a second separate sample. Both should be submitted for testing.

The specification of the sample tests required will be provided by the Engineering Officer.

All testing should be carried out by a UKAS accredited Laboratory

In all cases any service identified for use must be either proposed by or agreed for use by ECD 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 have any dead legs or unnecessarily long single pipe runs associated with them.

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 including for temporary connections must be sterilised in accordance with ACOP L8 HSG274 . All materials used must be WRAS approved.

All work carried out must comply the Water Spplly (Water Fittings) Regulations

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