

Case Study



Bacterial Contamination Reduction Through Background Dosing

DMA Canyon Ltd were requested to carry out an L8/SHTM 04-01 legionella risk assessment on a high profile acute medical care building in Glasgow



Problems identified

1960s building which has had numerous alterations to the water systems over time, creating a non-compliant system

Consistent out-of-specification microbiological results (including legionella)

Poor temperature control in both hot and cold water systems



Plumbing remedial actions required throughout the building

Issues

Asbestos containing materials in many areas prohibiting works being carried out

Building and water systems required on a continuous basis with no option for disruption to water services



Solution

The most cost effective and practical solution to reduce the risk from microbiological contamination was to install a background dosing system.

DMA Canyon managed a works package to facilitate the installation of a bespoke chlorine dioxide (ClO₂) dosing system with gas monitoring, auto alarms and remote monitoring.

This has resulted in a significant improvement in the microbiological control within the water systems

Estates able to concentrate their resources on planned mechanical works to bring system up to the required standard, rather than reactive maintenance procedures for out-of-specification results.

