

# Project Completion Report Legionella Remedial Works Care Home, Bristol



## Project Overview

**Site name:** Care Home, Bristol

**Completion Time:** 3 days

**Scope of Works:** Various water system remedial works following recent Legionella risk assessment.

## Scope of Works

- Elevate/lower stored temperatures so that CAL1's stored and flow temperatures are as close to 60°C as possible and return temperatures at least 50°C – **CAL1 beyond repair, new unvented cylinder installed**
- Reorient expansion vessel linked to CAL 2, to ensure it is in a vertical position – **Complete**
- Clean & disinfect CWST1 – **Complete**
- Insulate all cold-water pipe work – **Complete - 23 meters insulated**
- Insulate all hot water pipe work – **Not required – All hot pipework has recently been insulated by others**
- Replace TMV to disabled outlet on ground floor – **Complete**
- Any dead legs should be engineered out of the system or cut back and capped off as close as possible to the live source - **Complete - 3 dead-legs removed**
- Ensure all hoses are WRAS approved and consideration should be given to replacing with rigid alternatives (copper or polypipe). Where susceptible persons are present the hoses should be removed with the exception where connection to moving assets is required – **Complete - 6 hoses founds and inspected, all appear to be WRAS approved**
- Install gauges on CAL2 to indicate stored, flow and return (where circulated) temperatures – **Not required – New temperature gauges already installed by others.**
- Big tap Main Building - Ground Floor - Brine Mixer Room - Fit a double non-return valve to the supply pipe - **Complete**

**Photographic evidence of works completed**

Before and after dead-legs are removed:





**Photographic evidence of works completed**

Before and after of CWST1 being cleaned and disinfected:



**Photographic evidence of works completed**

Before and after CAL1 is replaced with new 200ltr unvented mains fed system:



**Photographic evidence of works completed**

Pre and post picture of a TMV replacement:





**Photographic evidence of works completed**

Before and after picture showing the reorientation of expansion vessel:



**Photographic evidence of works completed**

Installation of double check valve on bib tap:





**Photographic evidence of works completed**

Example of insulation installed to pipework:

