

Service Station, Buckinghamshire



Since 2015, we have undertaken microbiological water sampling at a chain of motorway service stations across the UK, and recently we were instructed to carry out some remedial work at one of the sites to help the client manage and control the risks associated with their systems.

Problem

After inspecting the 2 No. 8000 lts cold water storage tanks which serve the various toilet facilities and retail outlets at the service station, we highlighted a very specific issue that could easily have gone unnoticed.

It is important to minimise areas of potential stagnation to prevent bacteria proliferating, and one such area is the vertical tank supports which in this instance were hollow.

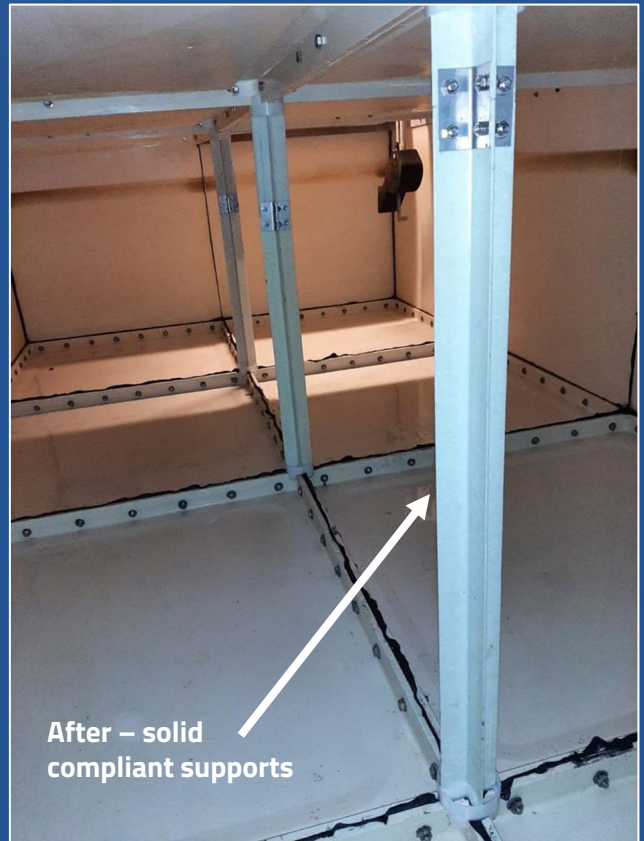
According to the guidelines stated in HSG274 (Legionnaires' Disease - Part 2 - The control of legionella bacteria in hot and cold water systems) hollow tube supports provide an area of no flow within a storage tank and can provide ideal conditions for harbouring bacteria

Solution

The solution therefore was simple and the client took us up on our recommendations. Our advice was to drain the tanks and remove the offending articles, replacing them with fully approved and compliant X-profile GRP upright supports.

In completion the tanks were cleaned and disinfected before being refilled and reinstated.

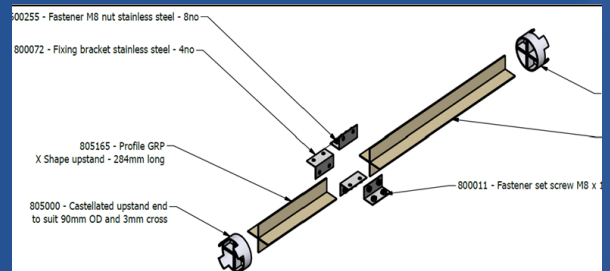
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Conclusion

Goodwater carried out tank support replacements on both tanks over two days with full clean and chlorination on completion.

The client was very happy with the amazing job our fully trained engineers did, and more importantly the fact that their tanks are now compliant with latest guidelines giving them peace of mind that the visitors using the water systems are safe and protected



X-profile solid tank support system