

## Highfield C of E Primary School Review Report 9<sup>th</sup> February 2017

This Legionella review survey was carried out on the 9<sup>th</sup> February 2017; there was seen to be a water systems logbook in place for the school's water systems; the logbook is filed within the staff room area of the main school. The responsible persons and deputy's names for this school have been nominated in writing within section 2 of the logbook but requires to be updated. The logbook appears to have not been audited since February 2013; I would recommend this is carried out at least on an annual basis. The monitoring records were seen to be up to date as of January 2017; the monitoring records for the lower school in Church Lane are also being recorded in the main school logbook. I was informed that no flushing of outlets is being carried out as all outlets are being used daily and during school holidays as activities are held in the school. The original risk assessment was not seen filed within the logbook documentation at the time of this 2017 review; I would again recommend this be located.

The two water heaters in the main school boiler room have been replaced with new updated water heaters; this was carried out in the summer of 2016; the return system in the boiler room has also been modified and adapted with a single return pump and a spare located alongside the running pump.

The shower within the disabled toilet in the main school is now being used daily; the showerhead is being cleaned and disinfected on a quarterly basis this was last carried out in January 2017.



The lower school in Church lane has a Fortic type calorifier located in a cupboard space in the first floor toilet; at the time of this 2017 review the calorifier was found to be switched off; there still appears to be no monitoring records for the storage temperature of this calorifier; I would again recommend the storage temperature be monitored and recorded on a monthly basis within the logbook documentation; the site manager switched the heater to this calorifier on at the time of this review and informed me he would inform the contractor about the calorifier.

The calorifier is fitted with a cold-water header tank; I would recommend that the header tank be cleaned and disinfected on an annual basis if required; no records were seen at the time of this 2017 review to indicate when this was last carried out. There are also local water heaters sited within the classroom areas these are supplied directly from the mains water services; there is no access to these water heaters due to them being located behind screwed down panels. It is recommended that water heaters with no greater than 15 litres capacity should operate at 50° - 60°c.

**At the time of the 2017 review the calorifier hot water flow temperature was:**

**Calorifier Flow** **Switched off.**

Hot water storage should be maintained at 60.0c or more; I would recommend adjustment to achieve this if required when switched on.

There were seen to be deadleg pipe work within the school these were seen in the following areas:

- There is deadleg pipe on the cold main pipe run in the main school outside the disabled toilet; I would recommend removal.
- There is possible deadleg pipe work at height in the cleaner's cupboard space in the lower school; this needs investigation to determine if live as pipe work is capped off.

TMVs are fitted in both school buildings; these should be serviced and maintained to the manufacturer's recommendations. No records were seen at the time of this 2017 review to indicate that is being carried out.

There are inline strainers fitted prior to some TMVs these should be cleaned as part of the servicing as these are ideal areas for bacteria proliferation.

There are many water outlets within both school buildings; it should be ensured that they all get regular use and if not should be put on a weekly flushing regime. Flushing of water outlets should be carried out during long school holidays and shut down periods.

Ensure all tap outlets within both schools remain clean and free from scale build up to maintain a good flow of water through the systems.

		<b>Remedial / Recommendations</b>	<b>Priority</b>
<b>Highfield C of E Primary School</b>		Responsible persons and deputies should be updated and recorded within the logbook documentation along with contact details. Locate the original risk assessment and file in the logbook documentation.	<b>5</b>
		Ensure the Church Lane first floor calorifier when switched on stores hot water at 60.0c; monitor and record storage temperature in the logbook documentation monthly.	<b>5</b>
		Remove deadleg pipe work.	<b>5</b>
		Continue to clean and disinfect showerhead on a quarterly basis or as required.	<b>3</b>
		Clean inline strainers fitted prior to TMVs on a regular basis.	<b>3</b>
		Flush any infrequently used outlets weekly and record when carried out. Continue during shut down periods and school holidays.	<b>3</b>
		Clean and disinfect lower school calorifier cold water header tank on an annual basis if required.	<b>3</b>
		Maintain and service TMVs (Blender Valves) in both schools as recommended by the manufacturer's.	<b>3</b>
		Audit logbook at least on an annual basis; consider archiving old log sheets which are filed in the logbook documentation to aid access.	<b>3</b>

1 = Insignificant risk.

2 = Controlled risk.

3 = Risk is controlled, but deteriorating conditions could increase risk.

4 = Potential hazards identified, but uncertain about risk.

5 = Risk Uncontrolled.