

Woolston Infants School Review Report 8th August 2018

This Legionella review survey was carried out on the 8th August 2018; there was seen to be a water systems logbook in place for the school's water systems; the logbook is filed in the reception area. The responsible persons and deputies' names for this school were seen nominated in writing within the logbook documentation; this should now be updated to the correct personnel. Monthly monitoring is being carried out and was seen to be up to date as of August 2018; the logbook appears to have last been audited in September 2016; I would recommend this is carried out at least on an annual basis.

The original risk assessment for the school was still not seen filed in the logbook documentation; I would again recommend this be located and filed in the logbook.

There has been a new hot water calorifier and pipe work installed since the previous review; the calorifier is now located within the newly built plant room area. The old fire main pipe work has now been removed from the rising main and other deadleg pipe work has been removed. There was seen to be capped off pipe work in the pre-school staff toilet area where the old combination boiler has been removed; I would recommend this deadleg be removed; there was also seen to be the old capped off pipe work in the ceiling voids of year 1 and 2 toilet areas although this is believed to be old drained pipe work.

There is a TMV located beneath the right-hand sink unit in the pre-school area which possess hot water at more than 50.0°C; it is assumed this has been adjusted to pass hot water as these are high level sinks; the second sink is also served from this single TMV and the outlet is more than 2 metres from the TMV

Hot water storage within the school is by one A.O. Smith type hot water calorifier located within the new plant room area; the calorifier is gas fired and has a capacity of 368 litres. The calorifier has factory fitted insulation beneath the outer casing; there is a return system fitted with a single return pump; there was seen to be an access door for internal inspection and a drain fitted. The water storage and return temperatures were found to be satisfactory at the time of this 2018 review; records seen within the logbook documentation indicate that the flow and return temperatures are normally satisfactory.

At the time of this 2018 review the hot water storage and return temperature were:

Calorifier Flow	60.0°C	This is Satisfactory.
Calorifier Return	52.0°C	This is Satisfactory.

Hot water should be stored at 60.0°C and the return should be maintained at 50.0°C or more at all times.

Local water heaters are fitted in the pre-school area, year R and also within year 1 and 2 toilet areas; these are located beneath the wash basins and are awkward to access for monitoring. The water heaters have a capacity of approximately 10 litres; capacity and should therefore operate at 50.0°C – 60.0°C. Some water heaters were seen to be switched off at the time of this 2018 review and were also seen to be set low; adjust to operate at 50.0°C – 60.0°C.

There was seen to be some deadleg areas within the school these were noticed in the following areas:

- There is still capped off possible deadleg pipe work in the ceiling voids above the children's toilet areas in year 1 & 2.
- There was seen to be a capped of pipe work in the pre-school staff toilet area; I would recommend removal.

There are inline strainers fitted on the supply to the wash basin in the disabled toilet. These are ideal areas for the proliferation of bacteria and should therefore be cleaned on a regular basis or as part of the servicing schedule.

All TMVs should be serviced and maintained to manufacturer's recommendations. At the time of this 2018 review no records were seen to indicate this is being carried out.

I was informed that weekly flushing is being carried out on infrequently used outlets and recorded in the weekly check folder held by the site manager. Flushing of water outlets should also be carried out during long school holidays and shut down periods.

Ensure all tap outlets remain free from scale build up.

		Remedial / Recommendations	Priority
Woolston Infants School		Locate original risk assessment and file a copy in the water system logbook.	5
		Ensure the responsible person and deputy are updated to the correct personnel in the logbook documentation.	5
		Remove any deadleg pipe work.	5
		Ensure that local water heaters with no greater than 15 litres capacity operate at 50.0°C – 60.0°C.	5
		Investigate TMV in pre-school sink area for correct temperature setting as serving tap outlets at above 50.0°C.	5
		Continue with monthly temperature monitoring of the domestic hot and cold-water systems and record in logbook.	3
		Continue to flush all infrequently used outlets weekly and record when carried out.	3
		Maintain and service TMVs as recommended by the manufacturers.	3
		Audit the logbook documentation at least on an annual basis	3

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.