Fairisle Infants & Nursery School
Review Report 12th September 2018

This Legionella review survey was carried out on the 12th September 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 of the main school. The responsible persons and deputies' names for the school were seen recorded in writing in section two of the logbook documentation; ensure these details are maintained up to date with the correct personnel. The logbook was seen to have been last audited in October 2016; 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 August 2018. The original risk assessment for this school and nursery was not seen filed within the logbook documentation; I would recommend this be located and filed in the logbook documentation.

It was noted that the hot water calorifier for the nursery block is not being monitored on a monthly basis as no records for this were seen recorded in the logbook; I would recommend this be started at the earliest opportunity. The deadleg pipe work highlighted in previous reviews in the nursery area were still seen in place; there is also deadleg pipe work where a tap has been removed from a wash basin in the girl's toilet next to the cleaner's room; the pipe work at the TMV has been capped off creating deadleg pipe work.

I was informed that both showers within the nursery building are not being regularly used; if this is the case they should both be put on a weekly flushing regime; there were no records seen at the time of this 2018 review to indicate that flushing of these outlets is being carried out.

The TMVs within the school and nursery are being serviced and adjusted on a six-monthly basis; this was last carried out in August 2018 and was seen recorded in the logbook documentation.

Hot water storage within the school is by one Andrews type hot water calorifier located within the main plant room; this has a capacity of 276 litres and is supplied directly from the mains water services via a pressure reducer. The calorifier is gas fired; insulation is factory fitted located beneath the outer metal casings. The calorifier is fitted with a return system fitted with one circulating / return pump; at the time of this 2018 review the calorifier storage and return temperatures were found to be satisfactory; records seen within the logbook documentation also indicated the calorifier storage and return temperatures are normally satisfactory.

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

Infants School Calorifier Flow	**61.0ºC This is Satisfactory.**
Infants School Calorifier Return	**60.0ºC This is Satisfactory.**

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

Hot water storage within the nursery building is again by one Andrews type hot water calorifier located in the plant room; this calorifier is supplied directly from the mains water services via a pressure reducer and has a storage capacity of 109 litres. The calorifier is gas fired; insulation is factory fitted located beneath the outer metal casings. The calorifier is fitted with a return system this is fitted with one circulating / return pump; at the time of this 2018 review the storage and return temperatures were again found to be low; this was reported to the site manager who carried out adjustment.

It would appear that monthly monitoring of this calorifier is not being carried out as no records were seen within the logbook documentation; this should be started at the earliest opportunity.

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

Nursery Calorifier Flow **41.5ºC This is Not Satisfactory.**

Nursery Calorifier Return **40.0ºC This is Not Satisfactory.**

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

The local water heater within the laundry area has a storage capacity of 50litres; the storage temperature recorded at the time of this 2018 review was above 60.0c which is satisfactory; this serves the laundry and kitchen areas only. There are also small local water heaters with no greater than 15 litres capacity within some areas of the school and nursery block; random temperatures taken at the time of this review proved them to be satisfactory.

There were seen to be deadleg pipe work within the school and nursery block these was noticed in the following area:

- There is deadleg pipe work in the girl's toilet near the cleaner's room beneath the sink where the TMV has been capped off. See drawing No.5A.

- There is pipe work coming through the ceiling in the store cupboard in the mixed toilet area capped off possible deadleg pipe work. See drawing No.14

Many areas in the school and nursery are fitted with TMVs / blender valves these should continue to be serviced and maintained to manufacturer's recommendations; records seen within the logbook documentation at the time of this 2018 review indicate this was last carried out in August 2018 and is being carried out on a six-monthly basis.

It should be ensured that all infrequently used outlets / showers are put on a weekly flushing regime; no records were seen for any flushing at the time of this 2018 review.

Ensure all water butts used within the school are maintained in a good clean condition and are cleaned and disinfected at least on an annual basis if required; these are ideal areas for bacteria proliferation.

		Remedial / Recommendations	Priority
Fairisle Infants & Nursery School		Ensure the nursery hot water calorifier is adjusted to maintain 60.0c storage and at least 50.0c on the return system.	**5**
		Start monthly monitoring of the nursery block hot water calorifier flow and return and record in the logbook documentation.	**5**
		Remove deadleg pipe work.	**5**
		If the nursery showers are infrequently used; flush at least on a weekly basis and record when carried out; consider removal along with all associated pipe work if not required.	**5**
		Continue to clean and descale showerheads at least on a quarterly basis or at the rate of fouling.	**3**
		Flush any infrequently used outlets weekly and record when carried out. Continue during shut down periods and school holidays.	**3**
		Ensure all TMVs are continued to be serviced and maintained as recommended by the manufacturers or at least on an annual basis.	**3**
		Audit logbook documentation at least on an annual basis; archive old record sheet paper work.	**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.