

6. Out of Tolerance Result and Action Record

Date	Record No.	System/Location	Type of Out of Tolerance
20/09/12	001	Cold water outlet temps throughout the school	Cold water temps > 20 °C
20/09/12	002	Old school building – cleaners cupboard	Electric hot water heater is turned off creating a deadleg/end
20/09/12	003	Old school building – Sadia water heater C1	Flow <60 °C Return <50 °C <i>This has affected the hot water outlet temps served by C1</i>
20/09/12	004	Main kitchen – state water heaters C2 & C3	Secondary return pump not working/switched off <i>This has affected the hot water outlet temps served by C3</i>
20/09/12	005	Main kitchen – state water heaters C2 & C3	Flow <60 °C Return <50 °C <i>This has affected the hot water outlet temps served by C3</i>
20/09/12	006	Scola – boilerhouse water heater C8	Flow <60 °C
20/09/12	007	Scola – practice music room	No water flow
20/09/12	008	Gym – plant room Water heater C9	Flow <60 °C
20/09/12	009	Sports pavilion – water heater C13	Electric hot water heater is turned off creating a deadleg/end
20/09/12	010	Science & Math – store room water heater C15	Flow <60 °C
20/09/12	011	Science & Math – right hand classroom water heater C16	Electric hot water heater is turned off creating a deadleg/end
20/09/12	012	Rotherly – boiler room calorifier C17	Flow <60 °C <i>This has affected the hot water outlet temps served by C17 & C18</i>

Date	Record No.	System/Location	Type of Out of Tolerance
20/09/12	013	Rotherly – boiler room calorifier C18	Flow <60 °C <i>This has affected the hot water outlet temps served by C17 & C18</i>
20/09/12	014	Baby cottage – hot water outlets temp	<50 °C after one minute
20/09/12	015	Scola – male staff wc	Deadleg pipework evident



Record No.	Action Required	Action Completed	Signature
001	<p>Ensure all outlets are used and/or flushed weekly.</p> <p>Insulate any exposed pipework to prevent heat transfer via hot & heating pipework</p>		
002	<p>Reinstate hot water heater asap, ensure water temp is brought up to $\geq 60^{\circ}\text{C}$ prior to use; clean integral header tank</p>		
003	<p>Flow & return temps should be retested (& recorded) for temps $\geq 60^{\circ}\text{C}$ & 50°C respectively outside the routine visit by Freeston as low temps may be due to high usage</p>		
004	<p>Investigate secondary pump for faults and return to service asap</p>		
005	<p>Flow & return temps should be retested (& recorded) for temps $\geq 60^{\circ}\text{C}$ & 50°C respectively outside the routine visit by Freeston as low temps may be due to high usage</p>		

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006	Flow & return temps should be retested (& recorded) for temps $\geq 60^{\circ}\text{C}$ & 50°C respectively outside the routine visit by Freeston as low temps may be due to high usage		
007	Investigate whether the flow has been isolated to music room, if yes remove deadleg pipework		
008	Flow & return temps should be retested (& recorded) for temps $\geq 60^{\circ}\text{C}$ & 50°C respectively outside the routine visit by Freeston as low temps may be due to high usage		
009	Reinstate hot water heater asap, ensure water temp is brought up to $\geq 60^{\circ}\text{C}$ prior to use		
010	Flow temp should be retested (& recorded) for temps $\geq 60^{\circ}\text{C}$ outside the routine visit by Freeston as low temps may be due to high usage or a fault with the water heater		
011	Reinstate hot water heater asap, ensure water temp is brought up to $\geq 60^{\circ}\text{C}$ prior to use		
012	Flow temp should be retested (& recorded) for temps $\geq 60^{\circ}\text{C}$ outside the routine visit by Freeston as low temps may be due to high usage or a fault with the hot water calorifier		

Record No.	Action Required	Action Completed	Signature
013	Flow temp should be retested (& recorded) for temps $\geq 60^{\circ}\text{C}$ outside the routine visit by Freeston as low temps may be due to high usage or a fault with the hot water calorifier		
014	Investigate the effectiveness/reliability of the hot water system within the baby cottage		
015	Remove deadleg pipework /fittings		

