

Heathfield Gardens

Since early 2015 we have been working alongside the London Borough of Croydon Council undertaking a variety of water hygiene works in their sheltered housing sites and residential housing blocks.

Tasks range from weekly flushing of little used outlets and monthly temperature checks to detailed condition surveying of cold water storage tanks and associated cleaning and disinfection works – all in accordance with HSG274 Part 2 and ACoP L8.

Problem

Risk Assessment is paramount and so the surveying aspect of our contract is vital to allow the council to maintain their buildings and orchestrate remedial actions.

Some tanks we encounter are fairly new, others requiring cleaning, and in a small number of cases we find that the condition is so poor that replacement is the only viable option. More often than not they just require an improvement and an example of this is what we achieved recently at Heathfield Gardens.

Solution

The large GRP tank at Heathfield Gardens is located in a cramped loft space where access is difficult. Internal and external surveying demonstrated that the tank was compliant with regulations, however, there was a build up of sediment on the base of the tank – which can provide nutrients for harmful bacteria or act as a breeding ground – so we recommended immediate cleaning and disinfection.

Using modern cleaning equipment our engineers cleaned the tank and disinfected upon completion using sodium hypochlorite before reinstating – see before and after pictures on page 2.

Conclusion

Goodwater can undertake cleaning and disinfection works of tanks and systems of all sizes, condition and material. In this instance the occupants were kept informed and clean water was supplied on completion. The council also had peace of mind that their residents welfare was protected.



Case Study

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Heathfield Gardens



Tank internal – Before cleaning



Tank internal – After cleaning



Examples of our tablet generated tank survey and disinfection reports completed at Heathfield Gardens (above)

“Goodwater Ltd are monitoring over 100 sites for Croydon Council, and if found to be in a poor state or require remedial action Goodwater Ltd are instructed to carry out this work, and do so on a yearly basis.

We have worked with Goodwater for many years and never had any issues.”

Errol Marrant
Project Engineer
Croydon Borough Council



Our engineers are fully trained and fully equipped to undertake tank cleaning and system disinfection works. They all carry CSCS cards and have undertaken confined space training. Health and Safety is top of our priorities at all times and we genuinely care about the welfare of our staff our clients and members of the public who may be affected by our work

TANK SURVEY REPORT		goodwater
Condition of insulation (outside pipework):	Good	
Temperature of make-up water at ball valve (<20°C):	9.6	
Temperature of water in tank remote from ball valve (>20°C):	9.6	
Condition of ball valve:	Good	
Stagnation (inside tank):	None present	
Sliming or algae (inside tank):	None present	
Microbiological fouling (inside tank):	None present	
Corrosion (inside tank):	None present	
Debris (inside tank):	None present	
Scale (inside tank):	None present	
Comments		
Comments:		* Tank complies with Water Supply (Water Quality) Regulations 2000/HSG274 - No action required.

SYSTEM DISINFECTION REPORT		goodwater	
Customer:	London Borough of Croydon	Visit:	One-Off / Supply of Goods
Contract:	SDR37771	Engineer:	Mike Fearn (gw0022)
Site:	46-76 Heathfield Gardens (46-)	Date:	25 Feb 2019 12:24
Building Reference			
Building site:	46-76 Heathfield Gardens		
Area:	Loft space tank room		
Disinfection Details			
Services treated:	* Storage tanks		
Chemical used:	Sodium Hypochlorite		
Contact period (hrs):	1		
pH:	0		
Chemical concentration during disinfection (ppm):	60		
Chemical concentration at end of contact period (ppm):	60		
Chemical concentration upon completion of disinfection process (ppm):	0		
TANKS cleaned?	Yes		
Samples taken?	N/A		
Comments, Recommendations and Actions Required			
General comments: * Disinfection works undertaken successfully. No further action required.			
Photographs			
Tank 1 - pre-clean			
Date:	06/11/2019 16:01		