



PROWATER MAINS PIPEWORK CHLORINATION CERTIFICATE

Customer: _____

Location: _____

Engineer: _____

Date Performed: _____



Pipe Diameter/Length		Water Supply Used	
Incoming Chlorine Level (ppm)		Type Of System	
All Outlets Signed		Disinfectant Used	
Flow Rate L/min		Swabbing/Flush Time	
Chlorination		Nearest	Furthest
Initial Chlorine Level (ppm)			
Mid Point Chlorine Level (ppm)			
Final Chlorine Level (ppm)			
Chlorine Contact Time			
Post Chlorination		Nearest	Furthest
Post Disinfection Flush Time			
Free Chlorine Level After (ppm)			
Total Chlorine Level After (ppm)			
Pipe Capped			
All Signs Removed			
Samples Taken & Locations			
Comments / Non-Conformities			

All work carried out to BS8558 and ACOP and Guidance L8 specifications

Prowater Signed: _____

Prowater Print: _____

Client Signed: _____

Client Print: _____

DISINFECTION PROCEDURE

1. Sign into site and obtain necessary permits to work
2. Perform full risk assessment of the area around the system to be disinfected.
3. Before any cleaning or sterilisation procedure begins place warning boards in good view. Inform relevant site staff, particularly if the water supply is to be disrupted and ensure all staff fully understand the length of service loss and relevant consequences.
4. Ensure that all outlets are clearly labeled with laminated warning signs quoting "CHEMICAL DISINFECTION IN PROGRESS DO NOT USE WATER". This will ensure complete safety of all people in the area during the works.
5. Before commencing work take a water sample of the incoming water to be used for the chlorination. This will be sample 1. . . . (name of job)
6. After sampling flush the incoming water for at least 10mins, this must be done before every chlorination with no exceptions.
7. Take another sample. Sample 2 (name of job)
8. Break into incoming pipework and attach relevant adaptors to allow fitting of a clean cam lock hose. All hose used must be clean, previously disinfected and free from damage.
9. If swabbing is required flush the pipe work with 2 volumes of water at maximum pressure or pass chlorinated foam swab into the system and push down the pipe work with water. Remove chlorinated foam swab.
10. Attach hoses from incoming mains into inlet side of chlorination equipment. Test flow is present through the system.
11. Attach hose from outlet side of chlorination equipment into feed side of mains fed system.
12. Connect dosing pump to water meter outlet and place pick-up pipe into bunded chlorine container. Switch on pump and prime with chlorine. Set pump to appropriate pulse setting (4:1 generally) and set stroke length (30% generally).
13. Alternatively place pickup pipe of Dosatron system into 1-10 chlorine solution in bunded container and prime.
14. Ensure connections are tight and open mains stop valve.
15. Open outlets and pull chlorinated water through to all outlets, ensuring >50ppm of chlorine appears at all outlets, it is acceptable to use test strips to measure chlorine content.
16. Measure chlorine content at nearest and furthest outlet with a comparator to gain an accurate reading of chlorine level.
17. Once adequate chlorine levels have been achieved at all outlets turn off mains stop tap shut off valves and de-couple the valve to physically break the system. Take care to contain any water that may escape as it will contain chlorine and if fabrics or carpets are near it may bleach and damage.
18. Allow the chlorine solution to stand within the pipework for 1 hour.
19. Reconnect pipework and transfer dosing pump to clean water. Turn pump to maximum.
20. Open mains stop tap
21. Check chlorine levels at outlets to ensure they have remained >50 ppm. If levels have dropped below 50 ppm then return to section 8 and re-start chlorination procedure.
22. If chlorine levels are >50 ppm then disconnect pump/Dosatron and begin to draw water through the system to remove chlorinated water. Clean pump/Dosatron system.
23. Continue to flush outlets until all outlets are showing identical chlorine levels to that of the incoming mains water and note these results.
24. Shut off mains stop tap and disconnect chlorination equipment. Take care to minimize loss of water from the system.
25. Reconnect mains system pipework originally broken and turn on mains stop tap to check for leaks or cap off pipe with sterilized end caps.
26. Take water sample 3 (name of job and outlet) and any further samples asked for by the client.
27. Remove lock offs and signs, sign off certificate, inform site staff and sign off any work permits. Remove all debris and tools from the site prior to signing out.

Note!! Ensure that all outlets returned initial chlorine levels of at least 50 ppm free chlorine and that this remained higher than 50 ppm of chlorine after 1 hour. Failure to do so means failure to comply with the BS8558, ACOP and GUIDANCE L8.

PROWATER ARE SPECIALIST CHLORINATION CONTRACTORS AND LEGIONELLA EXPERTS. WE CAN PROVIDE CHLORINATIONS FOR ALL TYPES OF SYSTEMS AND LEGIONELLA MANAGEMENT AND CONTROL. PROWATER CAN CARRY OUT LEGISLATIVE LEGIONELLA RISK ASSESSMENTS BY FULLY TRAINED AND EXPERIENCED STAFF AND PROVIDE A FULL LEGIONELLA MANAGEMENT SYSTEM



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