

# Method Statement

## Chlorination

### Introduction

This method statement is to cover pressure Chlorination operations for sterilisation of Potable water mains.

### Preparatory Works

The fill section length will be determined in order to calculate the main fill volume.  
All plant and equipment will be checked for correct working order.  
Chemicals and reagents will be checked to ensure they are in date and measurement equipment checked to ensure current calibration.

### Method

A chemical dosing pump suitably sized for the volume of main to be chlorinated will be connected to a clean potable water hydrant and directly into the main.  
A flow meter will be fitted to determine the flow rate and volume.  
The water supply will be switched on allowing the pump to start dosing Sodium Hypochlorite into the main.  
The pump dosing rate will be adjusted until the required ppm is achieved.  
The main will be filled until the required ppm is achieved at all sample points along the test section.  
All Sodium Hypochlorite ppm testing will be done using standard comparator equipment or digital photometers.  
Once the required ppm has been achieved along the test section the dosing pump will be removed and the chlorinated water left in the main for the required contact time.

### Manpower and Responsibilities

The Excel Pipelines technician will be responsible for all aspects of the site operations relating to this method statement.

### Plant

Test Van  
Dosing Pump  
Digital Comparator  
Digital flowmeter.

### Environmental

Spillage kits will be on site with each gang in case of accidental leaks.  
Discharge points, where required, to be provided by principal contractor.

### Safety

The content of this method statement will be conveyed to all personnel involved in the operation by a toolbox talk.  
A risk assessment has been carried out for this operation and is on site with the site personnel.  
COSHH assessments for the chemicals involved are on site with site personnel.

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