



# Method Statement Risk Assessment

PF Ref: 14305  
Updated  
1.4.2017

|                |   |
|----------------|---|
| Works Title:   | <b>RE Domestic Htg Systems up to 60KW</b> |
| Client / Site: |   |

## 1 SCOPE OF WORKS

Flushing, cleansing, , Pipework and Heating Coils , Under Floor Circuit of any installation via the 1 ½" Flushing points provided or removal of pump. Use our 600/1000 litre Flushing system to complete a non-acid clean of each circuit plus the header circuit to achieve tap water turbidity using our non-acid cleaner. We will add a Build Cert inhibitor at the rate of 1 litre per 15KW boiler output or per 22KW for modular boilers. Biocide can be added by arrangement.

- The 'client' or their representative to brief PFUK and it's employees on site regarding the scope of works and run through the risk assessment and method statement.
- PF(UK) Staff to be acquainted with fire procedure, toilet facilities etc PF(UK) staff to attend a site induction and present CIS cards.
- The client to advise there H&S guidelines as well their First Aid policy and whereabouts of the nearest A&E facility
- We to do a 'last minute' RA assessing noise, asbestos, electrical issues etc
- Client to advise us of any 'local issues'
- We assume that the site, house or any equipment we use belonging to the client is safe to use and insured
- The low loss header / Boilers cleaned as well removing the 'y' strainers and removing installation debris.
- We need a minimum of 8 litres a minute cold supply which can be drawn from the filling loop.
- Any work areas such the area around the pump will be protected / sheeted
- Advise the client of any risks to Children. pets etc
- Access to work in the boiler area /room & offices to be obtained (daily) by signing in at reception and gaining key access for boiler house.
- All work areas will be cleared of any discarded or loose items prior to work, to allow our engineers free access.
- Ensure the heating systems are full, vented to ensure circulation to all areas of the LTHW systems where practical and possible.
- **We assume that the system works ie circulates and boiler fires and that ALL components work**
- The objective of this process is to remove as much dirt, debris and contamination from the pipe work as possible, and to create the best possible circumstances for a successful chemical clean and subsequent water treatment regime. The level of cleanliness achievable by system flushing is very much dependent on the adequacy of the system design and installation regarding flushing. We must state that guarantees can not be given to the success of the work but a performance related method will be adopted to give the best available treatment
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*Note: As this cleaning product is PH neutral it is considered safe for use on an existing system of this age and condition. In addition it can be left circulating and does not need to be drained out following the cleansing stage. We will circulate and exchange the system water until it matches local water clarity and TDS levels. When the agreed targets have been reached PF(UK) will recommend to add Systemsafe to a dilution of 1 litre per 15kw boiler output or 1 litre per 22kw in the case of multiple boilers*



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- On completion of regular site visits the plant rooms to be cleared of tools, swept and left clear.
- The 'client' staff will be advised that works are complete when all are agreed that a Turbidity, TDS and Ph reading are acceptable.
- Remove and retain before and after water samples if requested.
- **We assume the system will accept 3 bar**
- Refill the system / system area and Test

## 2 PERSONNEL & RESPONSIBILITIES

Sub-Contractor:  
Mr Bob Jones – PowerFlush UK / as applicable

## 3 SEQUENCE OF WORKS (METHODOLOGY)

| Serial | Activity   | Risk to users of the existing building | Risk to general public | Risk to workforce delivering tasks | Risk to other site workers |
|--------|--|--|------------------------|------------------------------------|----------------------------|
| 1.     | Brief workforce and liaise with site management  |  |                        |                                    |                            |
| 2.     | Prepare area of works and obtain permission to work in upper and lower basement plant rooms. |  |                        | <b>x</b>                           | <b>x</b>                   |
| 3.     | Set out tools and equipment required – Hand/battery powered tools only                       |  |                        | <b>x</b>                           | <b>x</b>                   |
| 4.     | Take initial water samples and agree start point for treatment                               |  |                        | <b>x</b>                           | <b>x</b>                   |
| 5.     | Add PF(UK) OB Non acid Cleaner via existing chemical dosing stations in each plant room.     |  |                        | <b>x</b>                           | <b>x</b>                   |
| 6.     | Use of PF OB Cleaner and Inhibitor in a Safe in a confined space                             |  |                        | <b>x</b>                           |                            |
| 7.     | NA   |  |                        |                                    |                            |
| 8.     | NA   |  |                        |                                    |                            |
| 9.     | Add Inhibitor to a rate of 1 litre per 15kw or 1 litre per 22kw 2 + boilers                  |  |                        | <b>x</b>                           | <b>x</b>                   |
| 10.    | Carry out housekeeping tasks on site to leave working area clean and clear.                  |  |                        | <b>x</b>                           | <b>x</b>                   |

## 4 RISK ASSESSMENT

PFUK employees to produce valid CSCS contractor safety cards  
Permit to work applied for each day



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No hot works anticipated (suction / discharge pipework to be mechanically jointed where necessary)

COSHH data sheets (as attached) are to be provided form Kamco Hyperflush cleanser, Kamco FX2, Kamco SystemsafeDM and corrosion inhibitor and Fernox AX10 biocide (if applicable).

No chemicals are to be stored on site

All Electric Power Tools to be 240/110v and show a current test label.

Chemicals i.e. Systemsafe and Hyperflush to be Bunded while in transit.

No Chemicals to be left on Site

There are no risks associated with the two chosen chemicals.

## 5 ACCESS / EGRESS

Works are not expected to disrupt any other building users, office or trades

Existing fire escape routes will be adequate for this task and not interrupted.

Working at height will be minimal: where necessary, Steps (supported) or podiums, platforms as required.

## 6 LIGHTING

Additional lighting is not required for this task.

## 7 PLANT & EQUIPMENT

GENERAL

Kamco Commercial Powerflushing Machine & Associated Hoses or our own 600 / 1000 litre machine

Kamco water clarity test kit

PPE

All operatives will be equipped with hard hats, hi visibility vests, safety glasses, ear defenders and gloves whilst on site if Required

Gloves suitable for handling chemicals will be used when dosing chemicals.

POWER

**We assume a 240v 1 phase Supply is available**

## 8 MATERIALS

Copper tube and fittings for suction/discharge pipework connections.

PVC-U waste pipework and fittings.

## 9 TECHNICAL INFORMATION

COSHH sheets for PF UK OB Non Acid Cleaner & Inhibitor.



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## 10 EMERGENCY ARRANGEMENTS

The client and / or H&S officer to brief us on the Accident procedure and also any Asbestos issues

## 11 HOUSEKEEPING

No chemicals or materials to be stored on site.

No waste is anticipated to be generated during this task.

A final sweep and clean of the work are will be carried out on completion of all works.

## 12 QUALITY CONTROL

Submissions for chemicals proposed for use.

## 13 ENVIRONMENTAL ASPECTS

The chemicals are considered non-toxic by the manufacturers.

Therefore this task is expected to have minimal environmental impact and is not expected to produce any hazardous waste.

## 14 UTILITIES

No further information is required for this section.

## 15 WITNESSING, CONSENTS AND PERMITS

Witnessing to be carried out by the client If applicable.

Method and risk assessment

Water samples: PF(UK) use Severn Trent Laboratories or Fernox if applicable. We will store a sample for six months if requested

## 16 PROGRAMME

Works to be progressed in line with existing programme described in the specification Section 1 and should be completed in one day. PF(UK) Ltd will periodically check the discharged water quality

Daily working hours are as required

## 17 TRAINING

BSRI Commissioning, Kamco PF, NVQ Level 3 Mech. Pipework. CIS

## 18 ANNEXES

COSHH Data Sheets are already provided



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## 19. ASBESTOS

### Houses / Equipment / Boilers Pre 2000

- We will not use a drill on properties pre-2000
- All personnel will have Asbestos Awareness training
- We will only remove foam insulation
- We will not remove any boiler parts / panels

## 20. ELECTRICAL

- All Equipment must be PAT tested
- Ensure the fused spur is isolated
- Test any bare wires for current
- Ensure the system is electrically safe during our stay