**A1 Group H&S Method Statement**

This Health and Safety Method Statement has been prepared by A1 Group and concerns tank jetting and emptying for Sir Robert McAlpine at **Battersea Phase 3A, Security Office by Gate 36B, Kirtling St, Battersea, SW8 5BN on 26th November 2019.**

Please find below details of the work to be carried out and any perceived hazards associated to the work involved and should be read in conjunction with quotation provided.

**Nature of Work**

Tank jetting and emptying using a sump pump and vacuum tanker

**Site person in charge**

The site person in charge will have accessible at all times a copy of the accepted method statement whilst carrying out the work. This person will ensure that all work is completed in accordance with this accepted method statement.

**Scope of work for A1 Employee**

1. Drive A1 Group vacuum tanker vehicle to the specified site as above
2. Enter site in a controlled manner and ensure vehicle will fit under the entrance to the work area which is reported to be 4.3 metres
3. Locate area of work and park the tanker at ground level
4. Apply parking brake and leave engine of vehicle running to enable pump to be engaged when needed.
5. The A1 Operatives will exit vehicle in controlled manner and ensure they are aware of their surroundings and any possible hazards.
6. Exit vehicle and put on all necessary PPE
7. The two A1 Operatives who are working in the tank will wear safety harnesses (although the area has not been deemed as a confined space it was agreed if a emergency arose it is easier to remove any casualty via tri pod system located at ground level).
8. Each A1 Operative will check the safety harness of the other Operative prior to descending using the stair well to the tank area
9. Locate crane shaft and unroll the hoses required for the job in a controlled manner
10. Determine hose requirements which have been calculated as approx. 15m of hose will be required to the bottom of the tank from the A1 Tanker
11. Connect hoses together and connect one end to inlet valve on vacuum tanker vehicle.
12. 2 A1 Operatives will erect a tri pod at the lowest entry point
13. 2 A1 Operatives will descend into the tank carrying a sump pump – ensure correct manual handling techniques are used when carry any equipment
14. Place Sump pump on floor of the tank and attach one end of the hose to sump pump and the other the A1 Tanker
15. Engage the jetter and begin to jet wash the tank
16. Engage vacuum pump and open inlet valve on pump.
17. Proceed to jet or empty contents of tank making any necessary adjustments to the positioning of the hose at the bottom of the tank to ensure that it is totally clean or empty.
18. When the task is complete, close the pump valve and switch off the pump.
19. Remove the hose from the tank and then remove the jetter from the tank
20. Exit the area in a controlled and safe manner – taking care with any wet and slippery area
21. Disconnect the hoses and place them back in or on the vehicle.
22. Remove any necessary PPE and return to cab of vehicle.
23. Complete any necessary documentation.
24. Proceed to leave specified site.
25. If necessary, dispose of all waste at a licensed disposal site only.

**Labour force**

The cleaning team will consist of:

* **3 A1 Operatives** who will be responsible for jetting or empty contents of tank making any necessary adjustments to the positioning of the hose at the bottom of the drain to ensure that it is totally clean or empty.

**Training**

The team will be trained in:

* Using the A1 Tanker
* Operating jet hoses to remove waste from tank
* Operating a sump pump
* Manual handling
* Emergency first aid

**Protection of assets**

The client’s assets will be protected during the course of all work.

**Work permits and licences**

A1 employees will obtain and provide the required licences as requested.

**First aid**

All A1 company vehicles are equipped with a suitable first aid kit.

The Health and Safety manager for the A1 Group is Mr Clive Owen 24hr contact number: 07712556825.

**Fire**

All the client’s fire evacuation procedures will be carried out as per site instructions. All operators will be trained in Fire awareness.

All Working operations will have present on site for use: 1 no.6 litre foam fire extinguishers

**Personal protective equipment**

All operators will be issued with, and trained in the use of the following PPE:

General- Overalls, gloves, safety boots, hi visibility jackets and safety glasses

Detailed records of monitoring of all equipment are available for inspection, along with issue and use of PPE.

**Confined Space (man entry)**

Set up tri pod and winch system on the surface above the area at the lowest entry point. The Jet Blasting and vacuum pumping will then be carried out in accordance with this specific method statement

If there is a problem with the jetting and another Operative is required to enter the tank, then the following process is to be followed.

**Top Men 1&2** - top Man 1 - shall test the atmosphere at the base of the access to the tank with the gas detector. Five minutes must be allowed to ensure the monitor the monitor has carried out a complete sensing cycle. If when the monitor is withdrawn, no audible or visual alarm operating the indication is that the manhole is safe to enter. The detector is then replaced into the tank for continuous monitoring.

Should alarm indication occur the tank should not be entered under any circumstances/immediate evacuation must take place.

Once the top man 1 is convinced that the access is safe the survey engineer (bottom man) may descend following the bottom man procedure.

Communication between the top men and the bottom man must always be maintained.

Should the prevailing surface conditions give cause for concern (i.e. rainfall), the top man 1 shall call for full confined space evacuation. It is the responsibility of the top man 1 to alert the rescue services in the event of an emergency.

**Bottom Man** - the bottom man must ensure that prior to entering the drain a full PPE check is conducted and that all s PPE is functioning correctly. They must also ensure they are clipped onto the winch system. The bottom man will also have a 10mm B.A. escape set. (If the gas monitor signals an alarm, the engineer working in the confined space will don their escape set and immediately leave the confined space)

The Bottom Man shall be positioned at the bottom of the manhole and he shall always have direct visual and verbal contact with Top Man 1 and 2.

Bottom man shall carry his own personal gas monitor, escape breathing apparatus along with safety lines. On hearing his gas alarm, the bottom man must alert top man 1 and 2 to affect an evacuation of the manhole.

**Accidents, incidents and reporting of injuries, diseases and dangerous occurrences (RIDDOR 1995).**

All accidents will be recorded in the accident book and reported to client. Incidents that are reportable, under RIDDOR 95 will be reported to the HSE using forms F2506, F2508A etc. Copies will be sent to client.

The company’s safety manager, Mr Clive Owen will investigate all reportable incidents.

The site safety file will contain a site specific accident book, although all information entered will be recorded in the depot accident book.

**Housekeeping**

All working areas on site will be left clean, tidy, clear of any obstruction and safe on completion of works. All waste will be removed from site and disposed of to a licensed waste transfer station.

**Access and egress to authorised personnel**

Via approved exits and entrances and other safe areas, this will be determined by a site specific risk assessment.

**Emergency Procedures**

A1 Wokingham Wet Waste 24 hour emergency service number is:

Tel: 07831507920 Fax: 0118 9894652 Safety officer: 07712556825

**Transportation**

All operators use A1 vehicles to and from the work site.

**Statutory records**

All accidents will be recorded in the accident book and client notified immediately. A1 Group head office will handle all reportable incidents in association with the Head office of other contractors, so that the HSE can be notified.

The site will have an individual accident book, and all information held will be recorded in the A1 head office accident book.

**Noise and vibration**

N/A

**Air quality and dust**

N/A

**Waste management**

Any waste materials will be placed in A1 vehicle, removed from site and taken to our licensed sewage treatment works. All such activities are carried out in accordance with the requirements of the Code of Practice “A duty of care” under the provisions of the Environment Protection Act 1990. A1 Wet Waste is a licensed waste carrier and its registration no. is CB/BE5104ZY.

**Records and documentation**

All consents, environmental check lists and audit results are kept at our head office at each appropriate depot. These are the responsibility of the Operations Manager at each depot who can be contacted.

**Potential Hazards to A1 Group employees**

The potential hazards and risks to which the teams may be exposed are:

1. Working close to busy area.

Control Measure: A1 employees to wear Hi visibility jackets at all times whilst undertaking work. Safety barriers to be erected around working area if required to avoid general public falling into drain.

1. Lifting equipment from and onto vehicle

Control Measure: Use correct manual handling techniques to remove and replace all equipment from vehicle.

1. Falling into tank from height – public will not have access to working area.

Control Measure: A1 Operatives will ensure access to these areas is strictly controlled whilst work is being undertaken. No signage is required as the area is not a public pedestrian access.

1. Trip Hazards.

Control Measure: The area is controlled any only A1 Operatives working in area and restrict access as agreed. All hoses to placed away from working area avoid trips

Other

* There will be no hazardous materials used
* No chemicals
* No silicone
* No burners
* No oils
* No lubricants
* No gas or naked flames
* No mains voltage tooling

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| **Confirmation** |

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| Print Name:  |

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| Signature:  |  | Date:  |