



METHOD STATEMENT

Project: Mountain Earth

Location: Thomas St Manchester

Type of Work or Operation: Masonry Cleaning Samples

Author: Tony Brown

Method Statement Number: 001

Date: 05/07/22

Issue Number: 001

Scope of Work Covered By This Method Statement

This method statement covers the procedures to be employed by Grade 2 before and during personnel entry onto the site for the repair works. Emergency procedures are also detailed.

Personnel

Role	Nr	Training / Certification Required
Working Supervisor	1	– Grade 2 Operatives
Skilled Operatives	1-2	– Grade 2 Operatives

Inductions

- All persons required to carry out works within the area will be site inducted.
- All operatives will be briefed by the site supervisor concerning Risk Assessments, Method Statement, and any Health Hazards.
- The site supervisor will also conduct tool box talks in regards to the work being carried out.
- All operatives will sign in and sign out on a daily basis.
- All operatives and the site supervisor will familiarise themselves & sign the Method Statements and any other forms, such as daily inspection sheets issued in the Small Works Health and Safety File.

Barriers and signs to be used to form a safe working area

- Areas to be barriered off to reduce the likelihood of unauthorised access.
- Warning signs must to be erected where required.

Method of Access and Egress to the work area

Fixed Ladder			Hoist		
Fixed Scaffold + Crash Deck			Flight of Steps		
Portable Tower Scaffold			Pedestrian Route	✓	
Scissor Lift			Along Roadway	✓	
Mobile Boom			Cradle		
Cherry Picker			Corridor		
Alloy Podium Tower			Rope Access		

Sequence of work:

Preparation

Before anyone commences work the following checks shall be made:

1. Suitable communications have been made and discussed of works required.
2. All works are carried out according to method statement instructions.
3. Correct PPE is always worn – protective gloves, eye protection – glasses/goggles, protective clothing
4. Housekeeping – Remove waste materials, debris to on-site skip, etc. daily.

Sample Designation

Sample masonry areas to be identified and advised by client (suggested as rear room inner wall).

Tape off agreed area for sample trial (approx 1m² each) – one for DOFF & one for TORC.

Ensure all local drains are covered in tram filter material & sand bagged around (if required).

Sample Area – Lead Paint Presence Testing

- Remove swab from container and wet tip with water
- Shake off any excess liquid
- After swab tip achieves mustard yellow colour, promptly use the the swab as follows;
 1. Rub swab onto substrate for 30 seconds
 2. Observe swab tip for colour change – referring to swab container colour bar on label – RED/VIOLET/PINK indicates presence of lead in paint sample.
- No colour change – continue sample cleaning.
- If colour change showing presence of lead – ensure all works are done wet. No dry scraping/blasting or rubbing of sample area.
- All removed debris to be thoroughly wet, brushed/shovelled up & placed into double layered rubble sacks & tied. If using vacuum, ensure vacuum is emptied & filter packaged as above for hazardous waste disposal. Contact Fibresafe for collection & safe disposal documentation.

DOFF Cleaning Sample 1

- **Location of Equipment** - Equipment must be placed in a well-ventilated area out of reach of the lance, water spray and debris – mount external of building with second man.
- The exhaust flue must not be covered whilst running. Ensure that hot emission or sparks do not present a fire risk
- **Connecting the System** - Connect water supply pipe to inlet fitting of pump
- Connect blue high-pressure hose of hotbox to outlet of pump
- Connect high-pressure working hose / gun to outlet of hotbox
- Plug hotbox electrical connection into socket on the pump
- Position the RCD to protect cables and machine
- Connect pump to power lead. Ensure all joints are twist-locked to become watertight
- **Running the System** – Ensure water is flowing to pump
- Ensure water has expelled the air (by pulling the trigger)
- Now switch on pump pull trigger until water flow is clear
- Quickly squeeze and release the trigger 5 times to shock out any scale in the unit.
- Now fit the lance. Now start the hotbox
- Set the water pressure at the pump with black control knob 80 bar – 150 c, to start with. Pressure registers on the gauge.
- Set the temperature at the thermostat dial on the hot box pressure settings: Max 120 bar 230 v – 100 bar 110 v.
- Temperature settings: 30 – 150 Degrees C Max.
- It will take 2 – 3 minutes to bring water up to temperature.
- Avoid frequent on/off operation of the trigger i.e., use long periods of continuous operation
- Adjust temperature and pressure to suit the application
- The Amber beacon will start to flash when the cleaning temperature is reached and to warn personnel that there is a potential hazard nearby.
- The fuel tank has capacity to run the system ‘flat out’ for approx. 3 hours

- **Blocked Nozzle** – In the event of a blocked nozzle, turn thermostat to ‘off’, turn pump ‘off’, carefully open boiler bleed valve beneath boiler (very hot water will flow from it). Unscrew hot lance from trigger unit and smartly tap lance unit, nozzle end uppermost onto a hard-non-damaging surface. This should dislodge foreign body. Do not poke hard objects through the measured orifice
- The area to be worked will be examined first. Considerations will include safety, substrate condition, and control of water and proximity of other works.
- Point DOFF lance in direction of sample substrate and pull trigger to operate. Sample area to be worked trailing different cleaning patterns, to give best consistent outcome to remove stubborn staining/paint/algae/lichen.

TORC Cleaning Sample 2

- Check all equipment parts are available – ie, pressure pot, air cooler/pump unit, hose set inc nozzle & short hose.
- **Site requirements supplied by client – power outlet 240v suitable for transformer unit for site 110v, 125cfm air compressor, clean cold-water supply with positive pressure (max 2bar) or garden tap pressure is sufficient.**
- **Location of Equipment** - Equipment must be placed in a well-ventilated area out of reach of the lance, water spray and debris – mount external of building with second man.
- Connect the hose from the air compressor to the air cooler.
- Connect the air cooler to the pressure pot.
- Connect inlet water (garden tap pressure feed) to the air cooler.
- Connect the blast hose to the pressure pot.
- Ensure connection of the dead man hose to the pressure pot.
- Connect the water outlet hose to the air cooler.
- Now turn on the water supply
- Check the water separator bleed valve. This water separator is a secondary manual unit. A small flow of air should be leaking from the lower valve once the air compressor has been switched on.
- Lift & adjust pressure regulator to required amount & push to lock
- Adjust the vibro pressure using the ball valve.
- Control & adjust the TORC Head using the dead man lever & water valves.
- Add appropriate granulate/media to the TORC pressure pot hopper. ENSURE GRANULATE/MEDIA IS DRY!
- See TORC User Guide for more information if required.
- Point TORC Head nozzle in direction of sample substrate and pull trigger to operate. Sample area to be worked trailing different cleaning patterns, to give best consistent outcome to remove stubborn staining/paint/algae/lichen.

Sample Area Completed

- Once sample areas are complete, isolate all power & water systems and ensure pressure discharge of equipment, dismantle equipment in reverse order and pack away.
- Remove filter tram from drainage.
- Ensure all areas are clean and all debris is removed from site.
- Client sign-off.

Additional Information

1. Works to be carried out in accordance with attached Risk Assessments and Method Statements
2. All cleaning up will be done prior to the end of a shift.
3. All works to be signed off on completion.

Plant & Equipment to be Used (tick appropriate)					
	110-volt Breaker (L/M/H)		Lifting equipment		Graco Airless Machine
	Air lines		Power trowel		Extension Hoses
	Compactor Plate		Electric drill		Roller
✓	Mobile Compressor		Floor saw		Skid steer
	Track Blast Unit with Vac		Diamond core drill	✓	110-volt Transformer
✓	Extension Leads		Reciprocating saw		Concrete pumping wagon
✓	Vacuum Hoses		Cordless drill		Concrete wagon
	Multi Gas Monitor		Cordless saw		Mini excavator
	Scabber		Hand held Grinder		Pistol Pot
✓	Hand Tools		Heavy Duty Floor Grinder		Material conveyor
	Tripod Lighting Unit		Paddle Mixer		Air Hoses
	Water Pump		Reciprocating Saw		Cable detection device
	Cement Mixer		Pennine Mixer		Wall scanner
	Vibrating Screed		Laser level		Scaffold access (Portable)
	High frequency vibrating poker		Support props	✓	TORC System
	Sludge pump/sub pump		Test hammer		Laser Measure
	Needle Gun		Vibrating Poker		Extractor
	Wheel Barrow		Grit Blast Equipment	✓	DOFF System
✓	Safety Barriers/Bunton Tape		Power Wash Unit		Josters (suction pads)
✓	Measuring Tape	✓	Wet Vac		Stihl saw

Personal Protective Equipment (state type and standard)			
 ☒	Operatives working in close proximity to processes which release dust must wear a well fitted P3 face mask.	 ☒	Wear approved safety visor where required when using the DOFF/TORC system
 ☒	If ventilation is insufficient, or using products releasing fumes, suitable respiratory protection must be provided.	 ☒	Wear approved safety glasses at all times. Wear safety goggles when required.
 ☐	Use impervious, abrasion or alkali resistant gloves must be worn	 ☒	Protective clothing– overalls & or disposable paper overalls & paint hoods.
 ☒	Wear Safety footwear (EN345 SB Compliant) at all times	 ☒	Ear protection must be worn at all times if exposed to a noise hazard.
 ☐	Harnesses + lanyard must be fitted to the operative and secured to anchor point when operating cherry picker + operating powered access cradle	 ☒	All vans carry a First Aid Box, Accident Book and Eye Washers
 ☒	Wear Safety Helmet at all times	 ☒	Wash hands after handling. Covid-19 – Wash hands regularly for 20 seconds using soap & water.
 ☒	Covid-19 - Operatives working in close proximity to other personnel (within 2m distancing) or members of the public must wear a well fitted face mask.	 ☒	Apply hand sanitizer at regular intervals if unable to wash hands. Refer to Covid-19 RA.

Description of First Aid Measures – also see Product MSDS data

No product use anticipated on this project (samples only)

Classification (state the category of danger)



☐ Acute toxicity, Very toxic (fatal), Toxic etc.



☐ Explosive, self-reactive, organic peroxide



☐ Gases under Pressure



☐ Oxidising gases, liquids, and solids



☐ Corrosive (causes severe skin burns and eye damage)



☒ Harmful skin irritation, serious eye irritation



☒ Harmful to the environment



☒ Flammable gases, liquids, solids, aerosols, etc.



☒ Respiratory sensitizer, mutagen, carcinogen, reproductive toxicity

Hazard Type



Gas



Vapour



Mist



Fume



Dust



Liquid



Solid



Other (State)

Route of Exposure



Inhalation



Skin



Eyes



Ingestion



Other

(State)

Hazardous substances to be used

No additional product use anticipated on this project (samples only)

Emergency Procedures:

In an emergency, raise the alarm by dialling 999

- State your name
- The location of the incident:
- The exact nature of the emergency
- Wait for information to be repeated to you.

Nearest Hospital – Tel 0161 276 1234

Oxford Road, Manchester, M13 9WL

Training required to complete activity:

- All operatives selected to take part in the task will be trained and competent to do so. All tradesmen will be time served; all labourers will be competent to carry out the task at hand.

Services to be supplied by others (sample only):

- N/A

Other information and comments:

All work will be undertaken by qualified competent persons with experience of the type of work described above, and in all cases in full accordance with safety procedures specified in the company's health and safety Policy.

Prepared By:

Tony Brown

Position:

Quantity Surveyor

Date:

05/07/22

I have read and understood the Method Statement and Risk Assessments in connection with this project and will adhere to the contents therein.

[illegible]

Grade 2 Structural Repairs Ltd**Site Specific Risk Assessment**

Location Thomas Street Manchester **Project Title** Sample Masonry Cleaning

RA Number 01 **Date** 05/07/22 **Revision Number** 1

Site Supervisor Max Finley **Client** Mountain Earth

Persons Exposed (Tick)

Employees	2 -3	Public / Visitors		New/expectant mothers	
Other Workers		Young Persons		Vulnerable Persons	
Estimated total numbers of persons at risk			2		

Severity	5	5	10	15	20	25	Likelihood 1 = Very Unlikely 2 = Unlikely 3 = Likely 4 = Very Likely 5 = Almost Certain	Severity 1 = No Injury 2 = Minor injury or illness 3 = 7 day injury or illness 4 = Specified injury or illness 5 = Fatality, disabling injury
	4	4	8	12	16	20		
	3	3	6	9	12	15		
	2	2	4	6	8	10		
	1	1	2	3	4	5		
		1	2	3	4	5		

Risk = Likelihood x Severity

Acceptable	Further Review	Unacceptable
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Hazard	1	2	3	4	5	6	7	8	9	
	Factors of harm		Risk (Likelihood x Severity)	Control Measures	Factors of harm		Residual Risk (Likelihood x Severity)	Control measures implemented by (name)	Acceptable Risk?	
	Likelihood (1-5)	Severity (1-5)			Likelihood (1-5)	Severity (1-5)			Yes	No
Unfamiliar Surroundings	4	5	20	Grade 2 MST Site Induction. Grade 2 Site Supervision	2	1	2	Tony Brown	✓	
Asbestos	3	4	12	If you suspect the presence of asbestos stop	2	1	2	Tony Brown	✓	

				work immediately, inform your Project Manager.						
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Severity	5	5	10	15	20	25
	4	4	8	12	16	20
	3	3	6	9	12	15
	2	2	4	6	8	10
	1	1	2	3	4	5
		1	2	3	4	5

Likelihood

Likelihood
 1 = Very Unlikely
 2 = Unlikely
 3 = Likely
 4 = Very Likely
 5 = Almost Certain

Severity
 1 = No Injury
 2 = Minor injury or illness
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 4 = Specified injury or illness
 5 = Fatality, disabling injury

Risk = Likelihood x Severity



Acceptable



Further Review



Unacceptable

Hazard	1	2	3	4	5	6	7	8	9	
	Factors of harm		Risk (Likelihood x Severity)	Control Measures	Factors of harm		Residual Risk (Likelihood x Severity)	Control measures implemented by (name)	Acceptable Risk?	
	Likelihood (1-5)	Severity (1-5)			Likelihood (1-5)	Severity (1-5)			Yes	No
Public and staff interface	3	2	6	Ensure all working areas have physical barriers and signage erected to prevent unauthorised entry. Ensure pedestrian routes are kept clear of materials and debris. Protect public at all times. Be courteous to client and staff at all times	2	1	2	Tony Brown	✓	
Loading and unloading vehicle	3	4	12	Ensure vehicle is parked correctly prior to loading or unloading. Wear correct PPE. Plan your route	2	1	2	Tony Brown	✓	
Power leads	3	5	15	110v only, PAT tested, visual inspection before use	2	1	2	Tony Brown	✓	
Noise	3	5	15	Ear Protection. If complaints received, work outside normal office hours	2	1	2	Tony Brown	✓	
Dust	3	5	15	Use correct PPE – masks/hoods or airfed helmet. Use forced extraction & or air movers if required.						
Hand Tools	3	5	15	Safety gloves, glasses/goggles, inspect before use, remove damaged tools	2	1	2	Tony Brown	✓	
Housekeeping	3	3	9	Keep area clean and tidy at all times. Drains to be protected using filter tram & sand bagged if required.	2	1	2	Tony Brown	✓	

DOFF System	4	5	20	Competence training. 2 man lift to manoeuvre. Safety gloves, safety impact glasses/goggles, ear protection, safety overalls, safety helmet, safety boots, signage and barriers	2	1	2	Tony Brown	✓	
TORC System	4	5	20	Competence training. 2 man lift to manoeuvre. Safety gloves, safety impact glasses/goggles, ear protection, safety overalls, safety helmet, safety boots, signage and barriers	2	1	2	Tony Brown	✓	
Compressor	3	5	15	Only competent people allowed to use. Supplied by client. Airlines to be fitted with whip-checks. Hired units so maintained by others.	2	1	2	Tony Brown	✓	
Slips, trips and falls	3	2	6	Remove all waste materials, debris. Store and position safely. Good housekeeping at all times	2	1	2	Tony Brown	✓	