

Risk Assessment & Method Statement Template

Site / Depot / Office:	Hoylandswaine	RA / MS No:	02		
Name of Author <i>(print & sign):</i>	Mark Nuttall <i>Project Manager</i>	Date:	30.10.2024		
Name of Approver¹ <i>(print & sign):</i>	Nick Smith <i>Contracts Manager</i> David Hopper <i>HSEQ Manager</i> Jonathan Hoskins <i>HSEQ Advisor</i> <i>Email submission for comments</i>	Date:			
Activity Title:	Demolition/Removal of Existing Brick/Concrete Tanks.				
RA / MS Revisions / Confirmation of Review or Changes:					
No:	Reason	Author <i>(print & sign)</i>	Date	Approved <i>(print & sign)</i>	Date

Note¹: Risk Assessment & Method Statement must be approved by a Contracts Manager for activities agreed as high risk. All other RAMS must be approved by a competent person excluding the author.

Section 1 - Method Statement

1.0 References

Detailed design drawing:

- Sharepoint

Company Policy and Legislation:

- Emergency Plan
- BarhaleEnpure site specific induction
- Health and Safety at work act 1974
- Manual Handling regulation 1992
- BarhaleEnpure Cardinal Rules (4 & 5)
- HSG47 – Buried Services
- GS6 Overhead Services
- PUWER regulation 1998
- LOLER regulations 1997

2.0 Scope of Work

- To demolish & remove from site redundant existing tanks.

2.0 Principal Health and Safety Considerations

- Underground and overhead services
- Other site users
- People and plant interface
- Lifting operations (CPR 626)
- Security and segregation including unauthorised site access
- Slips, trips and falls
- Personnel protective equipment including standard and task specific
- Service avoidance – HSG47
- Use of hand tools
- Use of Mechanical tools
- Manual Handling
- Contact with sewerage

3.1 Significant hazards

- Leptospirosis
- Delivery and collection coordination within a live STW

4.0 Method (Indicate responsibilities/duties for each element where appropriate)

Method	Responsibility
<u>General:</u> Planned Duration (Civils only): Awaiting design approvals – full duration not confirmed, Demolition aspect – 10 Days. This method statement covers: ➤ Demolition/Removal of Existing Brick/Concrete Tanks. Work to follow guidance document detailed in section 1.0. Mark Nuttall will manage the works for BarhaleEnpure acting as the Project Manager. Contact details [REDACTED] and [REDACTED] The work area will be identified by the site management prior to works commencing. Existing gate will be locked at all times. Site safety signage will be erected in appropriate locations. Pedestrian barriers will be used to further segregate the construction activities within the site boundary. <u>Site access / egress:</u> The Traffic Management Plan captures the all traffic movements. The delivery contractor must call site 30mins in advance of arrival as detailed in the PDCI to allow sufficient time for the site team to prepare for arrivals. Hold Point: Brief separate Traffic Management Plan Risk Assessment to cover vehicle movement in and around the construction site. Hazard warning: Overhead services to be marked with goalposts at the entrance to site. All vehicles should drive directly into site with no stopping or blocking the access roads. <u>Yorkshire Water Rule Change (2021):</u> Yorkshire Water introduced a rule change in 2021 regarding mandatory requirement for all YW colleagues to have a Portable Gas Detector on Waste Water Sites. Gas detectors to monitor for 4 gases as a minimum requirement: Methane, Oxygen, Hydrogen Sulphide and Carbon Monoxide. Yorkshire water partners and visitors will apply a risk based approach.	Mark Nuttall Project Manager, Temporary works coordinator Reece Twigg service coordinator, and Temporary Works Supervisor Casey Middleton Black Hat & Service Acceptor <i>All personnel appointments to be confirmed with an appointment letter</i>

disposal at a later stage of the operation. To the East of the existing sludge drying beds 4 redundant shut off valves are present, these are to be confirmed as redundant and are to be removed at a later stage of the works. The brick wall materials will be pulled downwards onto the floor slabs and transferred by the excavator bucket into bay 4 for loading. On completion of transferring all brickwork into bay 4 the hydraulic breaker will be reattached and bays 1 to 3 will be broke and sized in preparation for disposal the placed into a separate stockpile adjacent to bay 4. Stockpiles of the brick & concrete will require loading to road wagons for disposal off site to licensed landfills. The operator of the excavator will create a safe and level loading platform on the stockpile as and when he is ready to load the material onto road wagons. Road wagons entering site will report to the banksman upon arrival. The wagon driver will be advised of the site rules and then directed to the stockpile of material to be loaded following a designated route advised by the site banksman. The road wagon will be positioned in such a way that the excavator operator can safely commence the loading of the material in a controlled manner, The machine operator must ensure the work area is free from site personnel prior to loading. Upon completion of loading, the load of the vehicle will be covered using automatic sheeting. The wagon will then proceed to the main gates where the banksman will inspect that the vehicle is free of mud and debris and that the load is fully sheeted and secured prior to departing from site. Once all of the above checks have been carried out, the banksman will instruct the vehicle driver to depart from site. A daily schedule of exported materials will be recorded and consist of the main components of the Duty of Care documentation. These shall include: Date ,Time, Haulage Company name Vehicle registration, Class of materials and disposal location.

Hold Point:

Banksman to all control plant movement.

Site attendance:

BarhaleEnpure will be employing specialist contractors to carry out certain elements of the project scope. BEJV site team will manage and oversee the work of these specialist contractors and ensure that they follow BEJV process and procedure throughout the project.

Welfare:

Due to lack of space on site welfare will be situated in close proximity to site at Ingbirchworth to accommodate washing, toilets and canteen as detailed in the site specific induction, A toilet is available in the Yorkshire Water building for use by the site operatives.

Security is deemed a requirement, Remote Camera Security will be installed within the compound location.

Welfare Provision document CF2620-55 V1 to be completed by site manager.

First Aid:

First aiders will be identified at the site induction and displayed throughout the site at prominent locations. First aid provisions are as follows:

- Generic first aid box (in date and checked by first aider regularly)

- Eye wash kit
- Defibrillator requirement TBC

First aid equipment checklist to be routinely inspected by the nominated first aiders.

Personnel Protective Equipment:

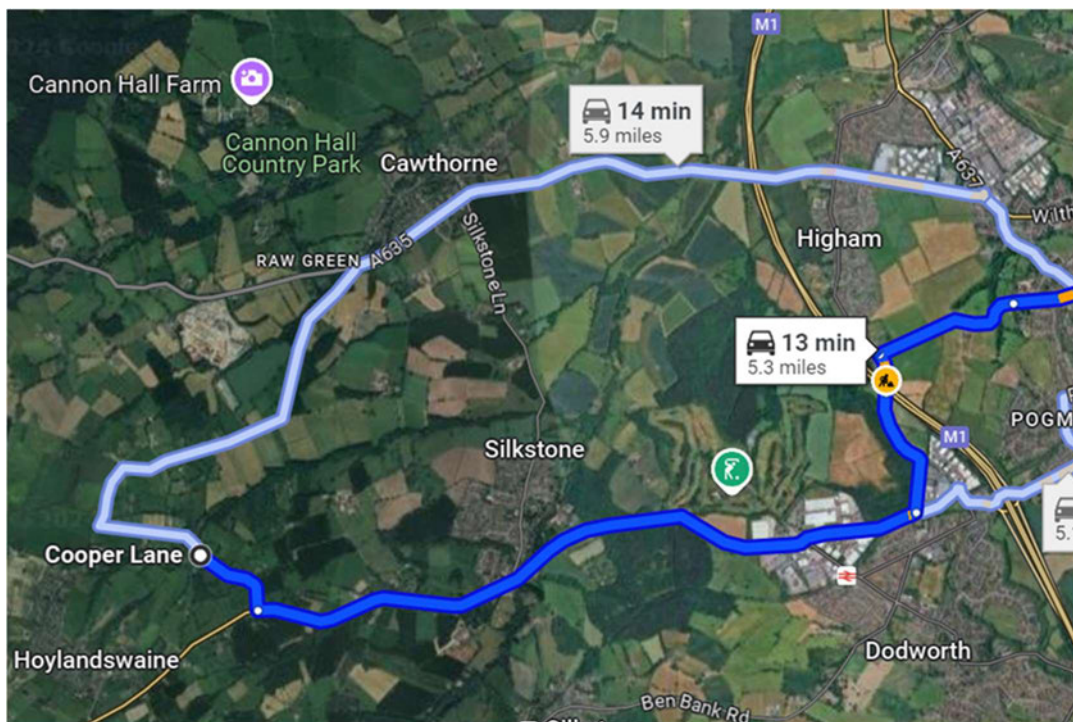
Whilst excavating around known services Operatives will be required to wear:

- Hi Vis Vests or jackets (long sleeve)
- Steel toe cap safety boots (Not Riggers)
- Safety Gloves
- Safety Glasses
- Hard Hat
- Flame Retardant workwear

Additional PPE and spare PPE will be made available by the site manager.

A&E

Barnsley General Hospital



13 min (5.3 miles)





via Barnsley Rd/A628
 Fastest route now due to traffic conditions

Cooper Ln
 Hoylandswaine, Sheffield S36 7JE


 Head south-east on Cooper Ln

1 min (0.4 mi)


 Turn left onto Barnsley Rd/A628

5 min (2.9 mi)


 Continue on Higham Ln to your destination in Barnsley

6 min (2.1 mi)

Barnsley Hospital
 Gawber Rd, Barnsley S75 2EP

What3word: Moisture.bullion.jots

5.0 Plant and Equipment

Equipment / Plant Description	Training Required	Plant Certificate Requirement	Inspection Requirement
Tracked Excavator	CPCS Training	12 Monthly Thorough Examination	Daily Inspection
Lifting equipment	Slinger training	LOLER Cert	Daily Visual Inspection

(Additional equipment to be confirmed with site management)

6.0 Other Considerations

Be considerate to other site users and members of the public.

Weather – All attending site need to be aware weather conditions could change quickly

7.0 Appendices *(list & attach all applicable assessments i.e. HAVS, Manual Handling, COSHH, Noise, lifting plans etc)*

Emergency Plan located in site H&S file

Construction Phase Plan located in site office & Appendices

See 'Yellow' Health and Safety File for further information located in the site office

8.0 Enclosures

Section 2 – Task Risk Assessment

Task Risk Assessment:			(Contract/Depot/ Office)	Hoylandswaine				Rev No.	A
Contract number:	YJ202044D	Date:	30.10.2024	Prepared by:	Mark Nuttall			Reference N°:	002
Task description:	Demolition/Removal of Existing Brick/Concrete Tanks.				Affected:	Work Force	✓	Sub Contractors	✓
								Public	✓

Activity	Hazards	Initial ¹			Control measures	Residual ¹		
		S	L	R		S	L	R
Mechanical Plant Overturning	Whilst working on slopes or close to edges or incorrect use at high speed, machine can overturn Damage to plant, serious injuries	4	3	12	➤ Provision of well maintained haul roads. ➤ Minimise work on steep gradients where possible. Work on wet, rocky or frozen gradients can prove hazardous; the track grousers, on such ground, can cause the machine to slide out of control. ➤ When travelling, the excavator boom should be kept at its lowest possible position to allow maximum machine stability. ➤ Machine always be in slow travel speed when moving around ➤ ROPS cabs - check mounting points for security and frame for defectsIf the item of plant has seatbelts they must be worn during operation. ➤ No unauthorised persons shall enter the working area. ➤ Do not pass plant on the blind side, ensure you get the 'Thumbs Up' from the ➤ Plant nappies shall be placed under the various items of small plant and spills kits shall be available on site. Spillages shall be reported immediate to the site supervisor and disposed of to a licensed waste facility. All fuel to be strictly transported in steel containers.	4	2	8

Activity	Hazards	Initial ¹			Control measures	Residual ¹		
		S	L	R		S	L	R
					➤ BarhaleDoosan Plant inspections shall be filled in for each item of plant prior to use and at the end of the week on the PUWER & LOLER weekly inspection. ➤ Work to be carried out during normal 0700 – 1600 working hours unless agreed with site management in advance. Additional standalone Risk Assessment in place for winter working where the daylight hours provide additional risks ➤ PPE – ear protection to be readily available and to be used when working in close proximity to plant ➤ Ensure 'line of fire' areas are kept clear, reference Barhale Red, Amber and Green safety zones. ➤ Excavator to have the HFR safety equipment fitted and the site manager to carry out regular reviews of the safety zone breeches. ➤ Excavator to have the thumbs up safety shield fitted to allow safe approach to the excavator safety zones. ➤ No excavator bucket or load should be slewed directly over personnel or vehicles cabs. Vehicles should be loaded over the side or rear of the body. ➤ Ensure that all manual and hydraulic locking devices for quick hitch systems are fitted and secured in position for all operations including digging, lifting and carrying. ➤ Dangerous overhangs must not be created on a high work face. The tracks of the machine should be positioned at 90 degrees to the workface to assist in quick withdrawal, if necessary.			
Plant movement	Overhead services	4	2	8	➤ Goal posts to be erected and signage positioned so the overhauled can be identified in both direction ➤ Traverse with boom / dipper arm as low as possible ➤ Reece Twigg Service Coordinator.	4	1	4

Activity	Hazards	Initial ¹			Control measures	Residual ¹		
		S	L	R		S	L	R
Site Presence	Interface with others	3	3	9	➤ BarhaleDoosan operatives shall be polite & courteous to the public / other parties at all times. ➤ Consideration to the health and safety of the public / other parties shall be given at all times during the contract. ➤ Site segregation and site security in place. Stop work and report breaches in segregation to the site manager.	3	1	3
Excavation and set up	Slips, Trips and Falls	3	2	6	➤ Operatives shall clean up the working area throughout the course of the day & move any potential items which may cause slips, trips or falls out of the way.	3	1	3
Manual handling	Musculoskeletal injury	2	2	4	All lift will be assessed prior to lifting using the principles of TILE. Task, Individual, Load, Environment. ➤ Task – consider if the activity involves any twisting, stooping, bending, travel, pushing, pulling, and sudden movement of the load, team handling or seated work. ➤ Individual – individuals have varied physical capacity, and this should be considered in your assessment. It is important to look at each individual's physical capability before carrying out a task. Anyone with a known injury or disability should be individually assessed. Special assessments will be required for young workers and those with impaired vision, reduced grip strength, pregnancy or disability. ➤ Load – consider if the load is heavy, difficult to grasp, sharp, hot or cold or if the contents are likely to move or shift. ➤ Environment – you need to think about the working environment as this may increase the risk related to	2	1	2

Activity	Hazards	Initial ¹			Control measures	Residual ¹		
		S	L	R		S	L	R
					the task. Consider floor conditions, variations on floor levels, space constraints, poor lighting or ventilation. Also hot or cold environment and wind conditions can all have an impact.			
COSHH	COSHH injuries	4	2	8	➤ COSHH assessments available and briefed to personnel	4	1	4
Refuelling	Environmental incident	3	2	6	➤ Drip trays to be used under all plant and fuel containers ➤ Switch off engine before refuelling / never carry out and work on the engine or hydraulics whilst the plant is running ➤ Allow a cool down period before servicing or repairing the engine ➤ Fire extinguishers to be within a close proximity to the work area ➤ Refuel in designated areas with appropriate spill kits available ➤ Report any spillages or defects observed ➤ No smoking or naked flames ➤ PPE	3	1	3
Mechanical Plant	Impact from Plant including faulty plant and operator error People and Plant interface	4	3	12	➤ All personnel using heavy plant shall be competent and qualified to do so - CPCS qualified. Under no circumstances shall operatives use plant which they are not qualified use. ➤ All excavator operatives must sign up to the excavator operative's declaration before commencing work. ➤ Competent Banksman must be present for all plant movements. ➤ All plant to be used within the manufacturers guidelines ➤ Dumpers must not be overloaded as this will limit visibility.	4	2	8

Activity	Hazards	Initial ¹			Control measures	Residual ¹		
		S	L	R		S	L	R
					➤ Spill kits shall be on site and in the machines and re-fuelling shall be controlled. All fuel to be strictly transported in steel containers. ➤ If the item of plant has seatbelts they must be worn during operation. ➤ No unauthorised persons shall enter the working area. ➤ Do not pass plant on the blind side, ensure you get the 'Thumbs Up' from the ➤ Plant nappies shall be placed under the various items of small plant and spills kits shall be available on site. Spillages shall be reported immediate to the site supervisor and disposed of to a licensed waste facility. All fuel to be strictly transported in steel containers. ➤ BarhaleEnpure Plant inspections shall be filled in for each item of plant prior to use and at the end of the week on the PUWER & LOLER weekly inspection. ➤ Work to be carried out during normal 0700 – 1700 working hours unless agreed with site management in advance. Additional standalone Risk Assessment in place for winter working where the daylight hours provide additional risks ➤ PPE – ear protection to be readily available and to be used when working in close proximity to plant ➤ Ensure 'line of fire' areas are kept clear, reference Barhale Red, Amber and Green safety zones.			

Guidance on Scoring of H, S & E Risks/Aspects

¹Site / Depot / Office specific initial risks should be based on corporate residual risks presented in the company health & safety risk registers (see 621-01). In evaluating site-specific residual risks, scores should only change if controls additional to company controls are implemented locally. **Residual risk rating should a score of 4 or less where reasonably practicable.**

Safety Risk ratings: Severity x Likelihood

S = Severity	1 = Minor	2 = 3 Day	3 = Major Injury	4 = Fatality.
L = Likelihood	1 = Unlikely	2 = Possible	3 = Likely	4 = Very Likely

Environmental risks/aspects

¹Site / Depot / Office specific initial risks should be based on corporate residual risks presented in the company environmental risk registers (see 621-02) In evaluating site-specific residual risks, scores should only change if controls additional to company controls are implemented locally.

Severity	Score		Likelihood	Score
Impact could result prosecution?	No = 0, Yes = 1		Unlikely	1
Impacts are at least regional rather than remain within or close by the site?	No = 0, Yes = 1		Possible	2
Long term duration of impact e.g. more than 3 months?	No = 0, Yes = 1		Probable	3
Noticeable damage to our environment will occur?	No = 0, Yes = 1		Certain	4
Severity Score (add scores from severity categories)	Max score = 4			
Total score = Severity x Likelihood				

Significant environmental risks/aspects are those scoring 12 or more OR if the risk/aspect is subject to legislation that could lead to prosecution

Risk Assessment & Method Statement Review Form

Review Date	Activity Description	Comments Following Review of Control Measures / Compliance on Site <i>(Monitored on site as activity proceeds)</i>	Name of Reviewing Supervisor	Signature

Note:

First review date will be undertaken on the first day of the activity with subsequent review dates on a weekly basis or following changes to working methods/conditions resulting in additional risk realisation and control measures.

