

METHOD STATEMENT

WORK ACTIVITY:	Demolition of former Soap Works (Phase 2)
METHOD STATEMENT NO:	FDL004 Rev 03
PROJECT:	Ramsbottom Soap Works Demolition
SITE ADDRESS:	Kenyon Street, Ramsbottom, Lancashire, BL0 0AB
CLIENT:	ISM Waste and Recycling
CLIENT REPRESENTATIVE:	Richard Carter: Richard.carter@ismwaste.co.uk
RAMS REQUESTED BY:	Christian Forshaw: Director Forshaw Demolition Ltd
RAMS PRODUCED BY:	George Steele: Contracts Manager. Forshaw Demolition Ltd
RAMS IN ACORDANCE WITH:	BS6187:2011 Code of practice for full and partial demolition.
HEALTH & SAFETY MANAGER	David Churchward: Forshaw Demolition Ltd
PROJECT MANAGER	Jeremy Wolstencroft: Forshaw Demolition Ltd

INTRODUCTION:
The purpose of the demolition method statement is to outline our approach to managing the demolition works for the former soap works. This document includes specific comments on the site establishment, logistics, and the process of managing the overall environment surrounding the property. It will also ensure that the demolition and associated works cause the minimum disruption to the adjacent residents with a safe working and living environment maintained. The agreed contents of the demolition method statement will form part of the development plan and will be agreed with Forshaw Demolition and ISM safety team. The plan will be constantly reviewed and any changes or improvements will be added and agreed, the plan will then be revised and re-issued.

BRIEF DESCRIPTION OF WORKS TO BE UNDERTAKEN	
DESCRIPTION OF WORKS:	To mechanically demolish the former soap works using a series of demolition excavators and hand demolition working from mobile elevated platforms.

TRAINING FOR OPERATIVES ON SITE
INDUCTION TRAINING
Prior to any operatives commencing works on site they will receive health and safety induction training by the demolition site manager or supervisor [Forshaw Demolition Ltd]
RISK MANAGEMENT, DABS, DAILY ACTION BRIEFING
All operatives associated with site activities which create significant risk of injury will be specifically briefed in the hazards and control measures applicable to the safe system of works. All operatives receiving daily briefings will sign documentation to say they fully understand the risks and control measures implemented to ensure the safety and wellbeing of themselves and others.
SPECIFIC TRAINING
All operatives / operators / managers / or supervisors must hold the appropriate training cards or certificate of training achievement relevant to their positions on site.
TOOL BOX TALK TRAINING
Tool box talk training will be used to instruct and train employees on specific site tasks, as and when necessary. The manager, supervisor or designated operative presenting the tool box talk must try to promote an open discussion with all the site team. The presenter must discuss the risk elements of the tasks being discussed and try to get feedback from the site team on the best way of controlling the risks. Feedback from the workforce and actions implemented via the tool box talks will ensure that everyone feels included and that there participation is meaningful. All tool box talks and actions as a result of the tool box talk must be recorded and signed by all attendees; the record must then be entered into the site file.

TRAINING & PERSONNEL		
CONTRACTS MANAGER 	GEORGE STEELE	CCDO BLACK CARD LEVEL 6 DEMOLITION MANAGER CITB BLACK CARD CSCS FOR MANAGERS IOSH MANAGING SAFELY FIRST AID AT WORK TEMP WORKS CO-ORDINATOR CPCS EXCAVATOR OPERATOR MEWP OPERATOR NNLW ASBESTOS REMOVAL COURSE
SITE MANAGER 	CRAIG STEELE	CCDO GOLD CARD DEMOLITION SUPERVISOR CPCS EXCAVATOR OPERATOR SLINGER SIGNALLER FIRST AID AT WORK MEWP BOBCAT SKID LOADER NNLW ASBESTOS REMOVAL COURSE
SITE SUPERVISOR 	MARK GRAY	CCDO DEMOLITION OPERATIVE SSSTS SITE SUPERVISOR CARD HOLDER FIRSTAID AT WORK NNLW ASBESTOS REMOVAL COURSE
PLANT OPERATOR 	MICK JOHNSON	CPCS EXCAVATOR NNLW ASBESTOS AWARENESS
PLANT OPERATOR 	Banksman	TBA
PLANT OPERATOR 	Banksman	TBA
PLANT OPERATOR 	Banksman	TBA

PLANT & EQUIPMENT	
PLANT:	1 x Demolition specification 360° excavator 1 x Bobcat skidsteer fitted with a demolition grab 1 x Brokk remote control breaker
ATTACHMENTS:	360° rotating combination shear (capable of cutting steel and concrete) 360° rotating demolition grab Test certificates for the equipment as required under PUWER will be supplied upon delivery to site and prior to any works commencing. NOTE – the excavators are demolition plant and are not classed as lifting devices when carrying demolition attachments and do not come under LOLER when operating as demolition excavators.
WORK EQUIPMENT:	Hose pipe for dust suppression Chapter 8 barriers Red and white bollards Heras fencing panels Two way radios

PPE	
MANDATORY PPE:	Hard hat (BS EN 397) Safety boots (BS EN 345 steel toe cap & steel midsole) Hi visibility vest or jacket (class 2) Safety Spectacles (1F) Gloves (KV2101)
TASK SPECIFIC:	RPE with P3 filters (all operatives face fitted, cleanly shaven every day)

PUBLIC INTERFACE ARRANGEMENTS	
SEGREGATION: PROTECTION:	The site is currently secure on all elevations. Temporary exclusion zones will be erected during specific stages of the demolition. The details of the exclusion zones are attached. Access to the public footpath to the north east of the site will be maintained at all times. The demolition activities will be securely fenced off and are sufficiently far enough away from the footpath to allow safe access to the right of way. During the demolition at the far northern end of the site, a banksman will be situated in the field in radio contact with the site team who will signal work to stop temporarily if any members of the public come into the vicinity.

DRAWINGS / SURVEYS	
SURVEYS:	A photographic dilapidation survey of the pavement and road will be undertaken prior to commencing demolition activities and forwarded to head office for information.
DRAWINGS:	Sequence drawings to be produced
PERMITS:	N/A

ENVIRONMENTAL / MONITORING	
DUST:	A water suppression unit will be located on site to spray a fine mist of water over the structure during the mechanical demolition process.
NOISE & VIBRATION:	N/A

FDL use only

SERVICE DISCONNECTIONS / ISOLATIONS	
Electricity	The electricity has been Disconnected

Sign off.....Comments

SERVICE DISCONNECTIONS / ISOLATIONS	
Gas	The gas main has been Disconnected

Sign off.....Comments

SERVICE DISCONNECTIONS / ISOLATIONS	
Water	The water has been Disconnected

Sign off.....Comments

ASBESTOS SURVEY / REMOVAL	
Asbestos	Has the survey been carried out? Copy of the survey on site? Asbestos removal ongoing? Asbestos removal? 4 stage clearance / reassurance Pictures before and after.....

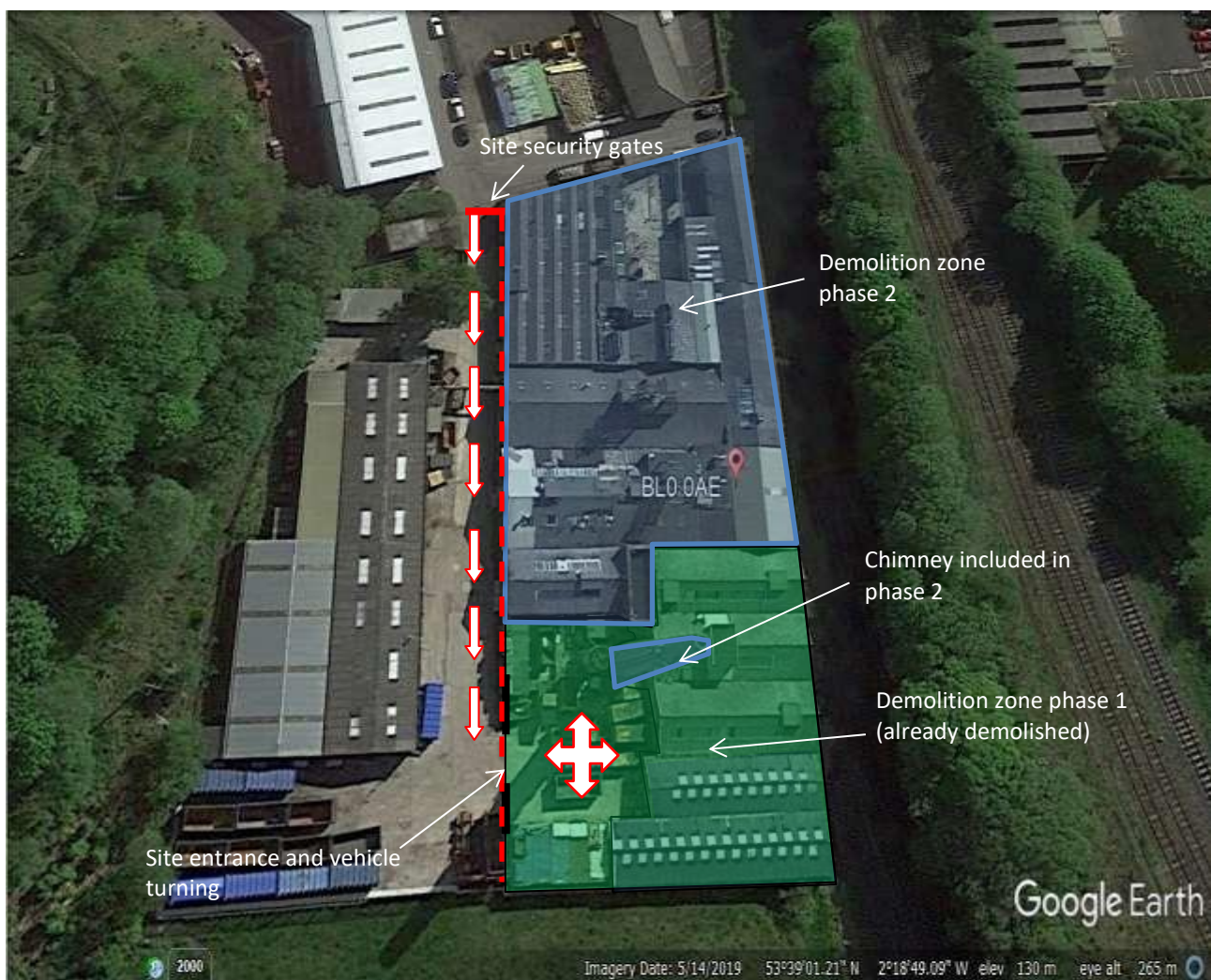
Sign off.....Comments

SEQUENCE OF TASKS

The Site Supervisor/Manager will ensure this method statement and risk assessment is explained and briefed to all operatives involved in the task. All operatives will sign to confirm they have understood this method, the risks involved and the control measures put in place.

Activity 1 – Erect exclusion zone

- A1.1 An exclusion zone will be erected as shown on the demolition sequence pictures. The exclusion zone will be formally agreed with the ISM safety team and will consider interface with other contractors within close proximity. This area will be controlled by FDL banksman during the demolition operations. The banksman will be in contact with the excavator operator and the Forshaw Demolition site manager.
- A1.2 The exclusion zone will be controlled by a minimum of three operatives acting as banksman at all times (including break times). The banksman will be in radio contact with the excavator operator and Site Manager at all times. The banksman will have full authority to stop works at any time during the demolition operations.



Activity 2 Create safe access

A2.1 The site management team will create safe walkways to allow the plant operators and hand demolition teams safe access to the demolition zones. The segregation will be formed using heras fence panels and crowd control barriers. Safety signs will be fitted marking pedestrian routes and demolition keep out zones.

A2.2 The site manager will carry out Daily action briefings [DABs] every morning and will mention any changes to pedestrian routes as well as general site safety information.

A2.3 Safe access will be maintained to the river to allow the emergency services clear passage in the event of exceptionally heavy rainfall. An emergency contact number will be provided to the EA PSO team at PSOWarrington@environment-agency.gov.uk



Activity 3 - Set up dust suppression

A5.1 Water suppression will be set up to enable a constant spray of water to be directed onto the structure during mechanical demolition. The water suppression is a direct feed water system that enables a fine mist to be sprayed close to the end of the pulveriser that is fitted to the excavator.



Dust suppression at source

Activity 4 Commence the mechanical demolition sections 1, 2 & 3

A4.1 The plant operator using the 360 excavator fitted with a rotating grab will commence to demolish the first bay as shown on the demolition sequence picture. The banskman working with the excavator will ensure the water jetters are suppressing the dust during the demolition activities. The plant operator must approach the gable wall elevation with extreme care to avoid materials falling into the river behind.

A4.2 Once the plant operator has reached the section adjacent to the river (section 4) the plant operator will then stand down the excavator until the hand demolition team reduce the gable wall by working from a MEWP.

Activity 5 Commence the hand demolition in section 4

A5.1 Operative working from a cherry picker wearing safety harnesses fitted with restricted lanyards using hand held tools will commence to reduce the building in section 4 and will reduce the gable wall adjacent to the river to the required level. Care must be taken to ensure no debris from the hand demolition goes into the river. Once the hand demolition team has reduced the gable wall they will proceed to remove the cherry picker out of the demolition zone. When the cherry picker has been placed in a safe area away from the demolition zone the operator using the excavator can continue the mechanical demolition.

NB: The gable wall adjacent to the river will be reduced to a height which is no lower than the existing wall height at the end of Cunliffe Street, as per phase 1 demolition works. ISM will reinforce this wall following completion of the demolition works.

Activity 6 Demolition of sections 5 & 6

A6.1 The plant operator using the 360 excavator fitted with a rotating grab will commence to demolish the section 6, bay by bay using the same process as section 1. The banskman working with the excavator will ensure the water jetters are suppressing the dust during the demolition activities.

A6.2 Once section 5 has been demolished, section 6 will be demolished by hand, in a similar manner to section 4 (Activity 5).

A6.3 The mechanical and hand demolition teams working together will continue the process until all buildings have been demolished. The cherry picker will then be removed before other excavators with multiple attachments and buckets clear up the debris and remove from site.

Activity 7 Demolition of chimney

A7.1 A high reach excavator fitted with a rotating grab will work from the top of the chimney, removing sections of the brickwork and lowering them to the ground, gradually reducing the height of the chimney.

A7.2 Once the chimney has been reduced to a lower height, the long reach excavator will be replaced with a standard demolition excavator to finish the remainder of the chimney.

Section 2

HAND AND MECHANICAL DEMOLITION RISK ASSESSMENTS

What are the hazards	Who might be harmed and how	Risk rating before control measures have been implemented	What control measures are in place	Risk rating after control measures have been implemented
Manual Handling	Operatives may suffer broken bones, cuts or lacerations from handling materials	Medium	Operatives to wear gloves, hard hats, safety spectacles and steel toe capped boots with steel midsoles	Low
	Operatives may suffer muscular skeletal injuries when manually handling materials	High	360 excavator to be utilised to demolish the building and move loads where possible - If manual handling has to be carried out assess the loads before lifting, if required break down the load into manageable weights & sizes using hand held tools - Kinetic lifting techniques to be used to lift all loads - All operatives to have undergone manual handling training	Low
Slips & trips	Operatives & members of the public may suffer broken bones, sprains or cuts due to tripping over materials	Medium	- Pedestrian access routes to be kept clear of all materials - Pedestrian routes to be clearly lit - Exclusion zones to be banked and manned - Exclusion zones to be removed at the end of each working day	Low
Falling objects	Operatives on site and members of the public may suffer serious or minor injury due to falling materials	High	- Site to be enclosed with fencing prior to commencing demolition - No operatives are to be inside the building during mechanical demolition - Operatives to wear hard hats and steel toe capped & steel mid sole safety boots - No loads to pass over the top of any operatives - Banksman to be used on site to ensure no personnel encroach into the demolition area - Excavator operator to be experienced in demolition works - Building to be demolished in bays ensuring the building is never undermined - Building to be left in a safe state at the end of each shift - Sequence and methodology to be approved by a structural engineer - Arisings to be scrapped off of the floors to prevent	Low



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			- overloading - Road narrows and road closures to be implemented during certain phases of the demolition process - Exclusion zone in place when demolishing the chimney with entry to the zone controlled by banksmen.	
Excavator operations	Operatives on site & public may suffer fatal or serious injury if struck by an excavator	High	- Plant operators to be trained and competent - Always approach excavator from the front & ensure operator has made contact with you prior to walking into the arc of the excavator - Never walk into the arc of the excavator - Ensure site traffic management plan is followed on site - Exclusion zones to be erected around the site	Low
	Excavator operator may suffer fatal or serious injury due to excavator overturning	High	- Excavator operator to wear seat belts at all times - Excavator to be operated on firm level ground	Low
	Site operatives may suffer fatal or serious injury due to incorrect use of quick hitch, working under attachments or if the attachment becomes detached from excavator	High	- All plant operators to have undergone quick hitch training - All plant operators to use quick hitch as per manufactures instructions - Attachments or loads must not be manoeuvred over the top of any personnel and must not be slewed over any of the site boundary	Low
Contact/strikes of live utility services	Plant operator operatives may suffer fatal or serious injury if electric cables or gas pipes are struck	High	- All utility services to be disconnected prior to commencing mechanical demolition - Utility disconnection paperwork to be located within the CPHSP 1t sandbags to be placed on the pavement damage from falling debris	Low
Contact / being struck by HGV's	Operatives on site may suffer fatal or serious injury if struck by an HGV	High	- Ensure site traffic management plan is followed on site - Any reversing into site must directed with the aid of a banksman	Low
Dust during demolition activities	Operatives and members of the public may suffer minor respiratory problems due to dust being created from mechanical demolition activities	High	Water will be directed onto the building to suppress any dust that may occur from demolition activities	Low
Noise during demolition activities	Members of the public and may suffer nuisance noise during mechanical demolition	High	Structure to be demolished using a pulveriser to reduce the noise	Low



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Collapse of building	Members of the public and may suffer fatal injuries if building collapses during mechanical demolition	High	- Structure to be demolished working in bays ensuring that the building is stepped and the floors are cleared of demolition arisings as the demolition progresses through the structure - Exclusion zones to be implemented around the structure - Road narrows and road closures to be implemented during certain phases of the demolition process	Low
Pollution of river	Members of the public downstream from the river	Medium	- All demolition arisings and materials to be stored away from the river and kept outside the 8m easement - Spill kit to be kept on site in case of oil / diesel spillage	Low
Obstruction of emergency services during heavy rainfall	Members of the public	Medium	- Access to the river to be kept clear at all times for emergency services. 24/7 contact details to be provided to the EA PSO team at PSOWarrington@environment-agency.gov.uk	Low
Flooding	Members of the public and local buildings	Medium	The gable wall adjacent to the river will be reduced to a height <i>no lower than</i> the existing wall at the end of Cunliffe Street	Low



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Section 3

I confirm I have read and understood the method statement and risks involved and will work in accordance with the method statement as described

OPERATIVE SIGNATURES			
Name	Signature	Date	Revision No.

AMENDMENTS		
Time/Date	Description of amendment	Signature of Manager/Supervisor
30.09.20	Information added regarding emergency access to the river and additional river risk assessment for possible river pollution.	GS
16.10.20	Added comment (5.1) regarding the wall height adjacent to the river	GS

Method Statement Produced By: George Steele	16th October 2020
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