

Risk Assessment

SITE NAME		Goulden street, Manchester, M4 5EY				LOCATION		Ref -masonry repair site plan					
RISK ASSESSMENT NUMBER		RA-11276-01-01				REVISION		01					
ASSOCIATED DOCUMENTS		MS- 11276-01-01											
PREPARED BY		T. Siebert		Signed		<i>A.B. Siebert</i>		DATE					
REVIEWED BY				Signed				DATE					
DESCRIPTION OF TASK(S) COVERED BY THIS RISK ASSESSMENT													
DEMOLITION OF SPECIFIC SECTION OF WALL USING PROGRESSIVE DEMOLITION TECHNIQUES.													
SOFT STRIPPING OF COURTYARD AND GENERAL REMOVAL OF WASTE.													
PALLETISE MASONRY AND BRICK FOR OFF -SITE STORAGE.													
REMOVAL OF ACM MATERIALS													
LIKELIHOOD	SEVERITY						LIKELIHOOD		SEVERITY				
	5	5	10	15	20	25	1-	VERY UNLIKELY – 1 IN 100 YEARS	1-	NO INJURY			
	4	2	8	12	16	20	2-	UNLIKELY- 1 IN 10 YEARS	2-	MINOR INJURY OR ILLNESS			
	3	3	6	9	12	15	3-	LIKELY 1 PER YEAR	3-	7 DAY INJURY OR ILLNESS (RIDDOR)			
	2	2	4	6	8	10	4-	VERY LIKELY – 1 PER MONTH	4-	MAJOR INJURY , DAMAGE TO PLANT OR PROPERTY			
	1	1	2	3	4	5	5-	ALMOST CERTAIN -1 PER WEEK	5-	FATALITY. COMPLETE COLLAPSE OF STRUCTURE			
	/	1	2	3	4	5	IRR INITIAL RISK RATING = LIKELIHOOD X SEVERITY <u>BEFORE CONTROLS</u>		RR- RESIDUAL RISK = LIKELIHOOD X SEVERITY <u>FOLLOWING CONTROLS</u>				
RR-12-25		UNACCEPTABLE				RR 6 - 10		THESE ACTIVITIES MUST BE CLOSELY MANAGED TO ENSURE THE CONTROL MEASURES ARE FOLLOWED		RR 1-5		ACCEPTABLE LEVEL OF RISK	
REVISION HISTORY													
REVISION NUMBER / REVIEW HISTORY		CHANGES MADE (CHANGES TO BE MADE IN A DIFFERENT COLOUR TEXT THAN PREVIOUS REVISIONS)								PAGE NUMBER (s)		AUTHOR	
01		First issue includes								All		TS	
02		Method statement revision 2								Page 1		TS	
02		Method statement revision 3								Page 1		TS	

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Before carrying out the risk assessment process Remember ERIC PD. Try to eliminate the hazards if possible if not follow the below hierarchy of control

Eliminate – why are we cleaning the rollers in the first place, can the supplier improve the material? Are we using too much pressure on the rollers? Can we coat the rollers with a non-stick material? Maybe this is the end of the story – the safest control measure is to eliminate the hazard completely.

Reduce or Substitute – OK so we cannot eliminate but can we improve it by doing some of the above things so that we need to do it less often, can we reduce the number of people who are allowed to clean the rollers so they can be made experts, can we use a less hazardous chemical for cleaning the rollers.

Isolate – This one is not particularly relevant in this case but let's say the chemical was extremely toxic and only applied to one machine maybe we could screen the machine off maybe in a separate room and isolate it from the rest of the workers and have local controls.

Control (this is split into two types of controls)

Engineering controls – local exhaust ventilation, machine guards, safety devices and tools to carry out the task to keep hands away from the rollers etc.

Procedure controls This is where we consider organizational and technical controls such as safe systems of work, procedures, training, supervision,

Personal Protective Equipment – such as wearing suitable and well-maintained gloves, eye protection and respirators.

Discipline – make sure that all controls are monitored reviewed and enforce

Now carry out the risk assessment over page an example of a training lead has been imputed into the matrix to give an example of the controls and scoring. Please delete the example risk from your assessment if it is not required on site. You may also delete this page from your risk assessment once you feel you understand the ERIC PD system.

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HAZARD	RISK (POTENTIAL CONSEQUENCES)	PEOPLE EFFECTED	INITIAL RISK RATING			CONTROLS (EXISTING AND ADDITIONAL)	RESIDUAL RISK RATING			CONTROLS TO BE IMPLEMENTED BY
			L (1-5)	S (1-5)	IRR		L (1-5)	S (1-5)	RR	
Site Establishment										
Fence erection	Manual handling resulting in minor cuts and bruising.	Site Team	4	3	12	1. Teams of 2 men lift the heras fencing 2. Use correct manual handling techniques 3. Use mechanical lifting aid when required 4. Refer to fence instillation method statement	2	2	4	Site manager
Control of personnel & non-personnel on site	Enforcing exclusion zones. Inability to evacuate site in case of emergency.	Site team and trespassers	4	5	20	1. Site and hazardous work activities to be enclosed and suitably fenced. 2. Pedestrian access gate to be always kept closed. 3. All site personnel including visitors to sign on and off site. 4. Emergency escape route to be communicated to all personnel.	2	5	10	Site Manager
General site activity	Slips, trips and falls, falling objects, moving vehicles.	Site team and visitors	4	5	20	1. Good housekeeping, 2. Maintain unobstructed walkways. 3. Constant vigilance to spot hazards. 4. Emergency escape route to be communicated to all personnel.	2	5	10	Site Manager
Using small hand tools / Soft Striping operations										
Removal of pigeon guano.	Bacteria and fungicide injury due to inhalation	Soft strippers	5	3	15	1. Spray all guano and surfaces with poultry shied or Jays fluid. 2. Operatives will wear FFP3 half face with carbon out cleaning operations 3. Operatives will be face fitted for the mask type they are using. 4. Operatives will be clean shaven. 5. PPE –Type 5 coveralls and overshoes. 6. Good housekeeping,	2	4	8	Site Manager
Dust fumes	Inhalation of dust fibres resulting in silicosis, and other lug disorders	Soft strippers	5	3	15	1. Operatives will try to dampen down where possible. 2. If this isn’t an option and in addition to this operative will open doors and windows to increases natural air ventilation 3. Operatives will wear FFP3 half face mask when carrying out soft striping operations 4. Operatives will be face fitted for the mask type they are using.	2	4	8	Site manager

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						5. Operatives will be clean shaven.				
Working from Boom Lift	Falls form height Manual handing. Suspended casualty	Demolition operatives - building removal team	4	5	20	1. MEWP will only be operated by a PASMA trained operator 2. All personnel in the MEWP are to wear a harness and 1M fix lanyard. 3. A MEWP rescue plan must be developed. 6.	2	5	10	Site manager + Demolition operatives
Manual handling	Pulled muscles, strains, sprains, sip disks,	Soft stripers	4	3	12	1. Operative will undergo manual handling training. 2. Operatives will have a Manual handling TBT before carrying out the soft stripping operation. 3. The daily safe start briefing will remain operatives of the correct techniques. 4. Operatives will be informed to break downloads when possible, reduce the distance traveling with materials. By placing skips outside windows. Or leave materials in the building when possible to allow the machine to retrieve then during the main demolition.	2	3	6	Site manager
Falling debris to skips	Crush, trapping injuries	All site personnel	4	5	20	1. Demolition exclusion and drop zones to be formed around demolition work area. Soft strip skips are placed within a drop zone inside the exclusion zone. 2. Exclusion zones and drop zones to be marked with signs, secured with heras style fence panels and clipped. 3. Entry into a demolition exclusion zone will be under the approval of the demolition site manager and demolition operator. 4. If windows are removed guard railing will secure opening if the cills are not high enough to prevent a fall. 5. Projectile injuries from materials being ejected into skips will be prevented by the skips being contained within the demolition exclusion zone. 6. Migration of materials to the wind will be controlled by no removal during high winds. Lightweight items ie Rockwool will be bagged. 7. Dust control. The nature of materials removed during a soft strip require no dust suppression. 8. All works must stop if people enter the demolition exclusion	1	4	4	Site manager

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						zone.				
Asbestos	Exposure to asbestos fibres	Soft stripers	4	5	20	9. Operatives to wear hard hat and PPE at all times on site. 1. R and D survey to be carried out and the survey to be held on site and briefed to the team. 2. All asbestos containing materials below roof level to be removed prior to soft striping activities. Operatives to be asbestos awareness trained as a minimum. 3. Operatives will be wearing P3 filters for the general soft striping operation. 4. Operatives to seal off area and vacate the building if any asbestos is disturbed. 5. Operatives will inform the site manager in the event of exposure and decontaminate a DCU may need to be brought to site depending on the tape and extent of exposure	2	5	10	Site manager
Build-up of waste and removal of fire protection	Fire And rapid spread of fire	Damage to building Site team and trespassers	4	5	20	1. Only non-combustible materials are to be stockpiled within the courtyard. 2. Skips are to be removed as soon as practicable once full or not required 3. Emergency procedures are to be brief to the team. 4. Fire extinguishers are to be placed in around the building. 5. Hot works will be carried out under a hot works permit will all conditions followed. 6. Hot works will only be carried out when all other practicable means of carrying out the works without the need for hot works have been assessed and eliminated. 7. Site will be secured with signage and fencing to deter vandals	2	5	10	Site manager
Removal of structural supports	Collapse of building	Soft striping operatives	3	5	15	1. Operatives are to be trained and understand the location of any load bearing walls. (site manager or top man will walk around with soft striping the team and determine load bearing walls) 2. Operatives are to be instructed to soft strip only and will not remove any masonry walls.	1	5	5	Site manager
Live services Gas Water	Electrocution Explosion Flooding	Soft striping operatives Vandals	4	5	20	1. Accurate drawing issued by the utility's companies are to be used along with a site investigation to locate services 2. Electrical feed(s) to the building will be disconnected by a trained and competent electrician prior to any soft striping	2	5	10	Site manager +

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Electric						being carried out. 3. All <u>Gas feed(s) leading to the building</u> will be disconnected prior to soft stripping operations 4. <u>All water feeds leading</u> to the building will be isolated prior to soft stripping operation. 5. Any services found that are not shown on the isolation briefing must be treated as live 6. Site manager must have all isolation certificates for the above prior to soft stripping works				Contracts Manger
Demolition operation										
Live services Gas Electric Waster Mobile phone mast	Electrocution Damage to gas causing fir and or explosion	All on site.	4	5		1. In addition to the live service controls for soft stripping operations 2. Permit to dig/ break ground will be issued for any breaking of ground this must include the review of isolation certification, relevant drawings, and the use of a CAT and genny. 3. Additional hand dug trial hole will be carried out in accordance with HSG45 to locate any positive readings and (or) carry out investigation works. 4. All unknown services must be treated as live.	2	5	15	Site manager + Contracts Manager
Demolition & Incorrect demolition techniques	Collapse of structure full or partial	Site personnel	3	5	15	1. Buildings will be demolished in a progressive manner. 2. A demolition exclusion zone will be set up. 3. Operator will be CCDO / CPCS –DR0 trained. 4. Operator will work to a demolition method statement 5. All personnel will be excluded from the demolition zone. 6. The building will be demolished in a progressive manor working to a planned method of work. 7. The correct size excavator will be used for the works (min 210) 8. Competent operators will be used for the works. CPCS trained operators with above 10 tonne tracked qualifications. 9. The site will be secured to prevent un-authorised access	2	5	10	Site manager + plant operator
Falling debris	Crush, trapping injuries	All site personnel	4	5	20	10. Demolition exclusion and drop zones to be formed around demolition work area. 11. Exclusion zones to be marked with signs, made of Heras fence style panels and clipped. 12. Entry into a demolition zone will be under the approval of the	1	4	4	Site manager + Pant operator + Banks man

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						site manager and demolition operator. 13. All works must stop if people enter the demolition area 14. No personnel are to be working in any building being demolished this included any connected structures 15. Banks man will carry out a visual clearance of the buildings before demolition commences. 16. Operative to wear hard hats at all times on site				
Working from Boom Lift to demolish building	Falls form height Manual handing. Suspended casualty	Demolition operatives - building removal team	4	5	20	4. MEWP will only be operated by a PASMA trained operator 5. All personnel in the MEWP are to wear a harness and 1M fix lanyard. 6. A MEWP rescue plan must be developed. 1.	2	5	10	Site manager + Demolition operatives
Dust	Inhalation of dust	All site personnel	5	3	15	2. Buildings will be demolished under water suppression supplied by dust cannon. 3. Site manager will monitor dust levels 4. If dust levels appear to be high the operation will stop and the method will be re –assessed	1	3	3	Site manager
Asbestos	Exposure to asbestos fibres	All site personnel	5	5	25	1. All asbestos must be removed before demolition commences. 2. If any asbestos is found to be present works will stop and a licenced asbestos contractor will be informed 3. The building will be subject to a full R and D survey prior to demolition. 4. Trained and competent asbestos operatives will remove all known asbestos before buildings are demolished and issue with a clearance certificate. 5. Operator will be asbestos awareness trained 6. Building will be demolished with water suppression supplied from dust cannon	1	5	5	Site manager + Pant operator
Removal of asbestos										
Asbestos fibres	Release of fibres, Contamination, inhalation of fibres.	All personnel on site	4	5	20	1. All asbestos removal will be carried out by trained asbestos operatives. 2. Works will be carried out under asbestos Non licenced removal works 3. Only non-licenced asbestos is to be removed NO licenced products will be removed by ADM.	1	5	5	Site manager + CAT B operatives

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