



TASK SPECIFIC RISK ASSESSMENTS

Project Number	:	892
Address	:	Carpenter PLC Glossop SK13 6LE
Description of Task	:	Building demolition
Risk Assessment by	:	Carl Payne
Date	:	18 th May 2023

Number	Hazard	Harm	Who is at Harm	Likelihood	Severity	Risk Rating	Controls	Additional Info / Controls (including specific emergency arrangements)	End Risk Rating
1.	Working at height	Falls from height causing major injuries/death, materials falling from height striking persons below causing personal injury	E	3	4	12	1. Trained operative 2. Secure fenced signed area to keep unauthorised personnel out	1. All work at height to be carried out from MEWP trained operatives only harness to be worn at all times.	4
POINT OF WORK RISK ASSESSMENT – Once on site and prior to work commencing, supervisor to assess conditions and make sure the risk assessment remains suitable and sufficient. Should the risk assessment NO LONGER be suitable and sufficient the Supervisor shall review the risk assessment in the spaces provided									
2.	Manual handling	Pulled muscles, torn muscles, ligament damage, slipped discs, cuts and bruises	E	3	2	6	1. Mechanical options to be used to eliminate / keep manual handling to a minimum 2. Trained operatives 3. Use safe manual handling techniques – back straight, bent knees, load to waist 4. Use team lift methods 5. Break loads down into smaller manageable loads 6. Rigger gloves to be worn	1. FLT to be used to minimise distance moving items to and from work from the designated laydown area	2
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3.	Slips, trips and falls around cables, hosing, bagging and spillages	Cuts, bruises, bangs and knocks leading	E, C, V	3	1	3	1. Hosing, cables, bagging to be placed away from access / egress routes 2. Place above head where possible if not cover 3. Lighting levels to be assessed prior to the task. Task lighting to be set up where light is poor		1
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4.	Interface between pedestrians and site plant / traffic	Plant striking pedestrians down causing major injuries and death	E, C, V	3	4	12	1. Establish and maintain plant / pedestrian segregation on site using barriers, fencing and safety tape 2. Pedestrian walk routes and safe havens to be established / followed 3. Ensure lighting levels are sufficient 4. Although pedestrians have priority do not assume the plant operator knows you are there - make sure plant operators can see & acknowledge you prior to moving 5. Reversing movements to be kept to a minimum 6. Banksman to be on site to control plant movements		4
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5.	FLT operating on site	Crushing, trapping, knocking over pedestrians and collisions with other site traffic, FLT operator injuries	E, C, V	3	4	12	1. Trained FLT operator at all times 2. Wear the seat belt provided 3. Keep away from pinch points 4. FLT operator to pip the horn when going near blind spots and corners 5. Do not move loads if your vision is being obstructed 6. Keep to designated speed limits and site TM plan rules 7. Banksman control 8. FLT to have 12 monthly inspection and be inspected daily prior to first use by the operator 9. Reversing beeper and flashing amber light to be working and used 10. FLT to be well maintained, mirrors in order	1. Banksman when operating the FLT outside the work area, moving materials/waste to the designated laydown area	4
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6.	Diesel spillages during re-fuelling operations	Personal contamination. Local contamination of ground / environment. Fires and explosions	E	2	3	6	1. Refill plant and machinery as per company safe operating procedures 2. Refill over impermeable ground & away from water courses / drains 3. Store diesel fuel in double bunded containers – NOT IBC's 4. Spillage containment kit to be available nearby and used in the event of a spillage 5. Foam fire extinguisher to be available nearby	1. Clean up any spillages immediately using the spill containment kit provided and dispose as waste. Follow established 'emergency spill' procedures	3
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7.	Unstable / premature collapse of structure during demolition	Parts of structure collapsing in an uncontrolled manner onto plant and pedestrians nearby causing death and major damage	E, C, V, TP	2	4	8	1. Demolition work to be carried out following an approved safe sequence of work 2. Maintain a safe exclusion zone around demolition work with safety signs on display 3. Ensure the demolition area is left safe prior to leaving each night		4
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8.	Use of oxy / propane cutting set	Hot work resulting in fires and explosions, burns and eye damage to operatives	E, C, V, TP	2	5	10	1. Flammable and combustible materials to be removed from the area 2. Maintain safe exclusion zones 3. All work to be carried out under hot work permit issued from the client 4. Operatives to wear Additional PPE: flame retardant overalls, gauntlets, visor 5. Oxy/propane bottles to be stored upright with flashback arrestor and regulators attached to bottles being used 6. All bottles to be stored in designated cages when not being used. Used bottles to be removed from site at the earliest opportunity	1. FLT to move the oxy/propane banks from the laydown area to the site area	5
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9.	Use of small hand tools – bars, brushes, hammers, shovels, spanner sets	Repetitive strain injuries i.e. carpal tunnel & musculoskeletal disorders. Heads coming off tools during use & striking persons nearby. Cuts / splinters as a result of poor maintenance	E, C, V, TP	2	1	2	1. Pre use operator inspection 2. Use safety gloves 3. Job rotation to be implemented to avoid over exposure	1. Tools to be kept in secure area or ‘lock up’ prior to leaving site	1
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10.	Asbestos – discovery of additional asbestos	Inhalation of asbestos fibres resulting in asbestos related conditions such as lung cancer, asbestosis and mesothelioma	E, C, V, TP	1	4	4	1. Confirm with the client during induction that no ACM’s other than those with in the pre demolition asbestos survey are present	1. Should additional ‘suspect’ asbestos materials be encountered over and above those within the asbestos survey: immediately stop what you are doing & isolate any plant & equipment, inform all persons within the area, everyone is to leave the area and inform the supervisor on site. Do not re-enter the area until the supervisor confirms it is safe to do so	4
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12.	Working inside existing live premises with ongoing work operations	Interface between existing site operations and BDB site operations. Unfamiliar with site wide rules, emergency procedures	E, C, V, TP	2	3	6	1. BDB ops. to report to reception/security 2. Site wide safety induction by client upon first arrival where information relating to rules and procedures will be provided 3. Daily sign in within site security / reception 4. BDB supervisor and the client site rep to engage in daily communications where information is to be passed down to respective work teams 5. BDB work areas to be fenced and signed	1. Site deliveries (plant, skips) to notify BDB Supervisor when near the site. BDB Supervisor to escort all deliveries through site to the laydown area	3
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13.	Site services – gas, electric, water, telecoms	Coming into contact with live services resulting in fire, explosion, electrocution, property damage and disruption	E, C, V, TP	2	5	10	1. Ensure plant/equipment to be dismantled has been isolated & client has provided confirmation certification 2. Information to be included in work permits 3. Live services that may be affected by the work are to be identified, marked up and protected throughout work on site 4. Safe system of work/method statement, especially when working around live services		5
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14.	Site drainage	Damage / Contamination of site drainage		3	4	12	1. Ensure drains are protected with covers and sandbags. 2. Do not allow materials and steelwork to freefall and impact the ground slab. 3. All dismantling works to be controlled and steelwork lowered to ground level with the use of 360 machine.		4
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15.	Offsite water courses	Contamination of off-site water courses	TP	3	4	12	1. Ensure all surface water drains are covered and sand bagged to prevent solids entering the drains	Should a release occur stop all works and contain with sand bags.	

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							2. Create a sandbag barrier to the south perimeter fence to control surface water effluent and prevent solids from exiting the site and entering the water course 3. Monitor weather conditions if excessive rain ensure that the perimeter is monitored continuously to prevent contaminated fluids exiting the site.	If contaminants enter the river inform the site management and contact the Environment agency	4
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Task Risk Assessment

Note: Control / construction action plan documents will generally be dependent on the work stream and may include, but not limited to, Risk Assessment / Method Statements, Construction/Project Work Instructions, Permit to Work, Clients Safety and Engineering procedures etc.

Score	Likelihood		Severity					
	Definition	Chances	Health	Safety	Environment	Damage	Security	Financial
5	Very Likely	> 90%	Multiple Deaths	Multiple Deaths	Irreversible Environmental Incident	Major loss/damage/ reportable event within local legislation business impact 1m+	Sustained, serious attack/loss of confidential IP or natural disaster requiring formal emergency response.	1m+
4	Likely	51% to 90%	Life Shortening Health Effect	Single Death or Multiple Major Injuries	Significant Environmental Impact (e.g. contamination of water source)	Severe loss/damage/ business impact reportable event within local legislation 100k-1m	Serious and deliberate criminal attack against people, disruptive natural event, or loss of sensitive IP material.	100k-1m
3	Possible	11% to 50%	Irreversible Health Effect or Serious Illness with Full Recovery	Major Injury or Over 3-Days Absence	Moderate Environmental Impact (e.g. fuel tank spillage)	Significant loss/damage/ business impact reportable event within local legislation 10-100k	Crime (threat, intimidation, sabotage) with impact on people or loss of confidential IP containing material.	10-100k
2	Unlikely	1% to 10%	Reversible Health Effect (e.g. minor dermatitis)	Minor Injury or One Days Absence	Local Environmental Impact (e.g. excess inert waste left overnight)	Moderate loss/damage/business impact 1-10k	Theft/vandalism/loss of non-IP* information. No lasting impact on business operations or reputation	1-10k
1	Highly Unlikely	< 1%	Mild Health Effect ~ No Lost Time (e.g. local skin irritation)	First Aid Case, No Lost Time	Minor Environmental Impact (e.g. minor oil spill)	Minor loss/damage/ business impact <1k	Minor crime, no impact on business operations or reputation.	<1k

		Risk Rating					
		5	10	15	20	25	
Likelihood	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	Severity

Key		
12 - 25	High Risk	Critical Level – Unacceptable, do not permit activity to commence.
6 - 10	Moderate Risk	Risk must be mitigated and risk level reduced to Green (4-5) or White (1-3).
4 - 5	Minor Risk	Investigate controls to minimise reliance on PPE. Provide supervision and monitoring of agreed controls until accepted as routine.
1 - 3	Low Risk	Acceptable risk. Review when process or circumstances change.

Who may be harmed	
E	Employees
C	Contractors
V	Visitors
TP	Third Party