

Date of assessment	February 2025	Name of Person undertaking assessment	Liam Hindle
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Number of people exposed	4	Under 18?	No	How often and for how long are people exposed to activity?	Daily
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Activity covered by this assessment:	DEMOLITION OF BUNGALOW	Document Number- CBM-RA 01 OUTLINE/ TENDER
Description of the activity covered by this assessment:		
Structural demolition of detached bungalow		

Reason for Assessment	New Procedure/Task/Area	X	Changes in Task/Procedure/Area		Date the Next Review Is Required	N/A
	Relocation of Task/Area		Following Observation		* If Review-Dates of review	N/A
	Following Safety Alert		Following Accident / Incident			
	Union /Employee / Rep. Request		Review of Risk Assessment*			

SEVERITY	RISK ASSESSMENT MATRIX								
6 MULTI-FATAL	6	12	18	24	30	36		VERY HIGH RISK	VERY HIGH RISK
5 FATALITY	5	10	15	20	25	30			Intolerable – Do not start work
4 MAJOR	4	8	12	16	20	24		HIGH RISK	Work can only commence with extensive reassessment of the risk levels and direct supervision
3 NOTIFIABLE	3	6	9	12	15	18			
2 MINOR	2	4	6	8	10	12		MEDIUM RISK	
1 NEGLIGIBLE	1	2	3	4	5	6		LOW RISK	Tolerable – Reduce where practicable
1 VERY RARE							6 ALMOST CERTAIN		
2 REMOTE							5 FREQUENT		
3 OCCASIONAL							4 REGULAR		
								LOW RISK	Safe Condition

No.	Hazard Identified:	Consequence	Initial risks			Existing Controls	Present Risk Factor			Additional Controls Required	Residual Risk Factor		
			S	L	R/F		S	L	R/F		S	L	R/F
1	General Site Safety	Slips, trips, falls Access Site security	5	5	25	Good housekeeping essential, all work areas to be kept tidy with all resultant material/waste to be stockpiled or loaded into skips ready for removal off site, any exclusion zones/ walkways to be clearly marked and kept clear, warning signs to be erected around work area, Boundary fence and welfare facilities to satisfy HSE standards	4	4	16	Keep gate shut when working, only reverse and unload skips with banksman, use correct access routes, correct PPE (hi-vis, hard hat, safety boots, others as instructed or required), Daily toolbox talks relating to day's work	5	2	10
2	Asbestos Survey No.- TBC	Exposure to Asbestos fibres during demolition work- Asbestos removed by others prior to demolition however operatives to remain vigilant as unknown quantities maybe discovered during demolition	5	2	10	Operatives to hold asbestos awareness training certificate, if suspected materials are discovered work must stop, the area made safe and secure, and supervisor informed. The survey will be checked and if it is not in the survey further sampling will be undertaken by relevant qualified persons before work can commence (see MS for further details on action plan for asbestos discovery)	5	1	5	Re-occupation certificates to be made available from known asbestos removal works	5	1	5

3	General Plant and Machinery use/ moving plant See COSHH assessment- Diesel, Hydraulic oil, Grease	Incorrect use of plant, quick hitch operation	6	4	24	Operator to be trained and competent (CPCS certification), Plant to have current LOLER certificate for excavator and attachments, Operator to carry out daily walk around checks and record in daily check book/ sheet, Must report any problems/faults to site supervisor to decide appropriate action, Operator to be familiar with quick hitch type and correct operating procedure before operation, (all quick hitches to be fully automatic where no safety pin is required), operators must not carry passengers, all plant to be isolated when not in use by removing keys, use 3 points of contact when entering/ exiting machines, Boxing ring to be fitted to machines where work at height required for maintenance/ daily checks, Ground conditions to be checked before moving heavy machinery onto site	6	3	18	Exclusion zone to be established to keep plant and pedestrians separated using suitable barriers and warning signs, Seatbelts must be used at all times with green beacon fitted and operational when seat belt is engaged, Operators must not use mobile phones when operating machinery, Amber flashing light to be on when machines working, all guards/rails to be in place during operation and maintenance, mirrors and/or cameras to be fitted to plant and free from damage/ dirt, plant to be parked safely and securely each night in compound and isolated. PPE- High viz, hard hat, gloves, safety boots at all times when outside of machine	6	2	12
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4	Manual Handling	Personal injury from incorrect lifting/repetitive manoeuvres	3	3	9	Avoid lifting where possible by using machinery, Use correct lifting technique, plan the job, route, people involved and identify any potential hazards before starting, Operatives to only lift what they feel comfortable with	3	2	6	Reduce the load size, share the workload, ensure good housekeeping to keep route clear of trip hazards, avoid heavy lifting above waist height, try to minimise repetitive movements. PPE- Hard hat, high viz, safety boots, gloves	3	1	3
5	Use of Hand tools excluding vibrating tools. (Hammer, pinch bar etc).	Personal injury to hands, eyes etc.	4	5	20	Ensure operatives are familiar with tools provided and competent to use them, ensure the tools are fit for purpose and maintained, carry out visual inspection before use to check for signs of damage	4	3	12	Follow manufacturers recommendations for safe use, ensure correct tools for the task being undertaken with correct attachment. PPE- Hard Hat, High viz, gloves, safety boots, safety glasses/ goggles	4	2	8
6	Traffic Management	Physical Injury to site operatives and public	5	4	20	Vehicles to be fitted with reversing bleeper, Traffic to use correct access routes identified by main contractor, speed limits to be obeyed or must not exceed 5 mph, Loads to be secured before leaving site,	5	3	15	Use a banksman when reversing, Driver must not use mobile phone when on site. PPE- Hard hat, High Viz, Safety boots	5	1	5

7	Abrasive Wheels (See COSHH assessments for fuel and silica dust)	Personal Injury, Dust, Noise, HAV, Hot works	4	5	20	Only abrasive wheels trained operatives to use equipment and change discs, use correct discs for material to be cut, guards must always be kept on, Water to be used when cutting concrete/ masonry, hot works permit to be issued before use (Hindle/ CHC to issue), area to be cleared of any combustible materials before any cutting works commence	4	3	12	Re fuelling to be done away from work area and in well-ventilated area, drip tray to be used refer to manufacturer's guidance for HAVS time limit on tool and use personal HAV logbook/ sheet to monitor usage time on vibrating tools, PPE to be always worn when operating equipment- Gloves, Eye protection, Ear defenders, FP3 mask for cutting concrete/ masonry (must be face fit tested), flame resistant overalls when cutting metal	4	2	8
8	Use of vibrating tools	Exposure to vibrating tools causing hand arm vibration syndrome	4	4	16	Operatives to refer to manufacturers guidance on recommended exposure level and not exceed, use plant where possible, use only fit for purpose and maintained equipment, carry out visual daily inspection before use	4	3	12	Alternate use of equipment between operatives, All electrical tools to be 110v or cordless, seek further information from manufacturer if in doubt	4	2	8

9	Unloading/ loading Machine	Personal injury, Damage to machine	4	3	12	Ensure area is clear when unloading, unload on stable level ground, ensure no overhead obstacles, competent person to unload machine,	4	2	8	Always use a banks man to assist, chaining to be done from ground level to avoid any work at height PPE- Hard hat, High viz, safety boots, gloves.	4	1	4
10	General Site Safety	Slips, trips, falls Access	5	5	25	Good housekeeping essential, all work areas to be kept tidy, any exclusion zones/ walkways to be clearly marked and kept clear, warning signs to be erected around work area, appropriate footwear for ground conditions to be used	4	4	16	Keep gate shut when working, use correct access routes and walkways, exclusion zones to be established and maintained (see method statement). PPE- High-vis, hard hat, safety boots, others as instructed or required	5	2	10
11	Leptospirosis (Weil's Disease)	Wide ranging symptoms- fever, headache, vomiting etc	4	3	12	Operatives to ensure and maintain good hygiene practices by washing hands and face at breaks before eating or smoking, keep dirty PPE/ overalls/ waterproofs out of clean canteen area	4	2	8	Be alert to sightings of rats or any nest areas, keep any cuts covered and clean before starting work	4	1	4

12	Noise	Permanent and temporary damage to hearing from use of and being around plant and machinery	4	4	16	Minimise use of loud attachments where possible, exclusion zone to be set up if required where safe level of noise is not exceeded, only use loud attachments during set working hours,	4	3	12	Hearing protection to be used during loud activities and when using noise creating tools (ear plugs of defenders)	4	2	8
13	Services to building	Striking live services causing injuries	5	4	20	All services to be disconnected by others before any demolition/ asbestos work commences, disconnection certificates to be issued for all service disconnections, basic on site assessment can be carried out by supervisor by checking lights etc are dead	5	3	15	If suspected live service is discovered during works, works to stop and supervisor informed then appropriate further action shall be taken	5	1	5
14	Third Parties	Unauthorised Access, Neighbours	4	4	16	Liaise school/ main contractors, site to be secured with temporary fencing, signs to be placed around perimeter warning of the dangers (Danger Demolition) etc.	4	3	12	Nuisance to be kept to a minimum as far as is reasonably practicable (dust, noise), Traffic movements to be via agreed routes and times	4	2	16

15	Changing/ maintaining excavator attachments See COSHH assessment hydraulic oil, grease	Personal injury, high pressure oil	5	4	20	Attachment to have suitable fit for use document, attachment to be lowered to the ground to remove the pipes for change overs, excavator to be isolated by stopping engine or engaging the dead man, pressure to be relieved from attachment using excavator/ attachments manufacturers guidance	5	3	15	Excavator to be parked on firm level ground away from the working demolition zone, visual and operational inspection to be carried out as part of daily checks, when using quick hitch operator to ensure attachment is connected securely by pressing down on attachment once applied, banks man to assist PPE- Gloves, hard hat, high vis, safety boots	5	1	5
18	Dust	Inhalation of dust particles causing respiratory problems, Dust in eyes, nuisance to public	4	4	16	Where required, spray water on work area during all demolition work using adequate dust suppression, avoid demolition in high wind where dust cannot be controlled, liaise with neighbouring properties to advise them of the hazard and monitor during works,	4	3	12	Continually monitor dust during duration of job, spray water if required on stockpiles and roads, use correct PPE where required (dust masks, eye protection) valid face fit test required if using dust masks,	4	2	8

17	Demolition Using 360 excavator and attachments	Un-planned building collapse, falling debris/material.	6	6	36	Operatives to be trained and experienced in demolition including asbestos awareness training, liaison with all parties involved before demolition starts (machine operators, banks-man, supervisor) to plan safe system of work including studying method statement to ensure correct method and sequencing of demolition, supervisor to ensure safe practice is applied for duration of demolition works, Establish an exclusion zone for duration of demolition- See method statement, Machine to be stood working from safe distance to avoid debris falling onto cab, cab to have FOPS guards fitted, Building to be left safe overnight with no hanging materials/ unsupported elements etc.	6	4	20	Supervisor to walk building before demolition begins to ensure it is clear, Correct attachments for the task in hand to be used, PPE (hard hat, hi-vis, safety boots, others as required- safety glasses, gloves etc), Do not enter buildings after demolition has begun, work in accordance of BS6187 demolition code of practice, follow sequence set out in method statement, Site boundary to be secured with temporary fencing and warning signs, Uncontrolled collapse will be mitigated by following the correct demolition sequence set out in the method statement, Building to be left safe at night, no unsupported elements left hanging etc, walls to be left safe	6	2	12
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Signature of Person Undertaking Assessment:

L Hindle

Passed for Action to:

Position

Date

Hazard and risk reduced by the following actions

Hazard No.	Reduced By: (Further Controls)	Date to be completed	Completed on:	Reason Not Completed	New Completion date	Completed on:	Completed By	Verified by:

All actions have now been completed and assessment of risk is to be presented to all persons concerned in its operation.

Signed: Print Name: Date.....

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