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Severity						
Fatal	(5)	25	20	15	10	5
Major Injury/ Permanent Disability	(4)	20	16	12	8	4
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Minor Injury	(2)	10	8	6	4	2
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16-25	Unacceptable	10-15	High Risk	6-9	Medium Risk	1-5
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Description of Task / Work Activity:	DEMOLITION WORKS	Assessment Number:	002
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Assessed by:	DEREK WATT	Reviewed and agreed by:	DEREK WATT / CHRIS GRIFFIN	Date:	10. 01. 2018
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ITEM No`	ACTIVITY	HAZARD	PERSON(S) EXPOSED TO RISK	RISK RATING			CONTROL MEASURES TO REDUCE RISK RATING	RESIDUAL RISK RATING			RESPONSIBILITY FOR CONTROL MEASURES
				S	L	R		S	L	R	
1	All site activities	Site activities can pose a variety of potential hazards and injury situations to third parties, including the general public	Third parties – General Public	3	2	6	Precautions and safeguards will be implemented to protect any third party, including employees of the client / occupier, other contractors and the general public Adequate information will be given to any third party that may be affected by the company's activities. Prior to work commencing, the site will be provided with adequate demarcation, including the display of suitable signs stating the company name and the work being carried out.	2	1	2	Site Supervisor
								2	1	2	Site Supervisor

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	All site activities	Site activities can pose a variety of potential hazards and injury situations to third parties, including the general public	Third parties – General Public	3	2	6	All access/egress routes will be locked and under the control of the Principle Contractor at all times			2	1	2	Site Supervisor
							Containment of the site activities will be ensured and include precautions to confine falls of debris, collapse of structures, buildings, protect holes and to minimise dust arising			2	1	2	Site Supervisor
							During demolition works standby men will be positioned around the site perimeter ensuring no third parties attempt access to the fenced of site.			2	1	2	Site Supervisor

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2	Manual Handling	Muscles strains and Work Related Upper Limb Disorders (WRULDS)	Operative carrying out the task	3	5	15	Avoid all manual-handling tasks by substituting with mechanical lifts. No operatives will attempt to single	2	1	2	Site supervisor & Operative carrying out the task

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							handed lift more than 25Kgs.				
							All operatives will receive manual handling techniques training during there first week of employment. I.E. do not lift from lower back and bend the knees.	2	1	2	
							Materials on site will be stored as close to the point of use as possible to avoid the need for lifting.	2	1	2	
							Where mechanical means can not be utilised two man lifts will be used.	2	1	2	
							Protective gloves are to be worn by all operatives on site	2	1	2	
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3	General Demolition Works	Slips, trips and falls	All operatives on site and any third parties with site access	3	5	15	Ensure that all trailing leads are kept and routed away from walkways. All walkways need to be of a suitable width to allow easy access and egress.	2	1	2	Site Manager and operative carrying out task

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							Ensure that all areas are adequately lit.	2	1	2	Site Manager and operative carrying out task
							Do not leave tools and equipment where they are a tripping hazard, put all tools away when not in use.	2	1	2	Site Manager and operative carrying out task
							Ensure that excessive amounts of debris are not permitted to build up in areas where personnel may fall on top of it.	2	1	2	Site Manager and operative carrying out task
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	General Demolition Works	Slips, trips and falls	All operatives on site and any third parties with site access	3	5	15	Ensure that a good housekeeping policy is implemented at all times. Clear up any spillages immediately as these will make the floor area become slippery and dangerous. Always use the correct signage whenever there is any floor cleaning being undertaken. Always use handrails on stairways, keep all stairways clear of equipment and boxes etc. Always keep fire exits clear of any trip hazards	2	1	2	Site Manager and operative carrying out task Site Manager and operative carrying out task Site Manager and operative carrying out task Site Manager and operative carrying out task Site Manager and operative carrying out task
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4	General Demolition Noise generation	High levels of noise causing hearing damage both short and long term	Site operatives and third parties	3	4	12	If possible identify the noisy activity and substitute with a quieter alternative. Minimise noise levels by; - Stopping rattles - Throttling down engine while idling - Fitting isolated engine covers - Keep tools sharp to less friction noise - Do not drop items unnecessarily - Silencing the noise source by the use of mufflers, shield, enclosures and barriers - Distance the noisy activity from occupied premises	2	1	2	Site supervisor and operative carrying out the task
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	General Demolition Noise generation	High levels of noise causing hearing damage both short and long term	Site operatives and third parties	3	4	12	Where any person is liable to be exposed to noise levels greater than 80db (A) suitable ear protection will be provided. If the level is 85db (A) or over it is mandatory for hearing protection to be worn. The most likely protection in ascending order of attenuation is ear muffs and noise attenuation helmets.	2	1	2	Site supervisor and operative carrying out the task.
								2	1	2	Site supervisor and operative carrying out the task
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5	Dust arising from demolition activities	Inhalation, Irritation to the skin and eyes and a general nuisance.	Site operatives and third parties	2	4	8	Due note will be taken of the overall occupational exposure standard for dusts (10mg/m3) total inhalable and (5mg/m3) for respirable dust which includes cement and the more stringent maximum exposure level for silica. When necessary dust arising will be regularly damped down with water to suppress dusts to an acceptable level.	2	1	2	Site supervisor and all site operatives Site supervisor and all site operatives
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	Dust arising from demolition activities	Inhalation, Irritation to the skin and eyes and a general nuisance.	Site operatives and third parties	2	4	8	Operatives will be provided with adequate RPE (Disposable FFP3 for general works)	2	1	2	Site supervisor and all site operatives
							Eye protection will be worn by operatives on site in accordance with DWW Contracts Ltd company policy	2	1	2	Operative carrying out task
							Operatives will be instructed to maintain good standards of hygiene.	2	1	2	Operative carrying out task
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6	Demolition works	Contact with live services	Site operative carrying out task and third parties in close vicinity.	5	4	20	Physical isolation of services will be carried out and those needed for the provision of on site services will be clearly identified. Confirmation of disconnection of services form is to be signed and dated by the client or client's representative prior to commencement.	2	1	2	Contracts Manager and Site Manager
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7	Working at height	Operatives falling whilst working at height on scaffolds, scaffold towers, MEWP's etc. Falls can result in serious injury or death.	Operative Working at Height	5	4	20	Safe means of access to the work area will be provided eg. Ladders, tower scaffold etc. Operatives will wear full body safety harness attached to a suitable anchor point Wherever possible a full scaffold will be used for access to height work. Edge protection will be erected at all openings. All operatives will wear appropriate PPE and safety footwear will have adequate grip.	2	1	2	Contract Manager, Site Supervisor & Operatives doing Task
								2	1	2	Supervisor & Operatives doing Task
								2	1	2	Contracts Manager, Supervisor & Operatives doing Task
								2	1	2	Site Supervisor & Operative carrying out task
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				S	L	R		S	L	R	MEASURES
	Working at height	Falling materials injuring persons below the working area	Operatives and third parties in the vicinity	4	4	16	An exclusion zone will be erected underneath the work at height segregated by suitable fencing displaying adequate information and warning signs. The falls of debris will be prevented by the use of debris netting, brick guards etc. All operatives on site will wear suitable PPE including hard hats and steel toe capped boots.	2	1	2	Site Supervisor & Operative carrying out task
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				S	L	R		S	L	R	MEASURES
	Use of Hand Tools	Unsuitable Tools	Operatives carrying out the task	4	4	16	All tools provided must be assessed to ensure that they are fit for purpose, the environment in which they are to be used and are in good working order.	4	1	4	DWW Supervisor & Operatives carrying out the task
		Inexperienced User					Operatives to be instructed in the correct method of use and maintenance.				
		Damaged Tools					Hand tools which can deteriorate with use will be monitored to ensure they are sharpened or replaced as necessary.				
		Sharp Blades					Open-bladed knives, screwdrivers and other sharp tools are to be carried and used so as not to cause injury to the user or others. Ensure sharp edges of tools are protected when stored or carried. Always keep hands behind the cutting edge.				
		Strike Injuries									
		Entanglement					Heavy duty gloves are to be worn, if using chisels hand protectors should be used.				
							Loose hair will be tied back and loose clothing to be kept clear of moving parts of power tools.				

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	Use of Hand Tools	Sprains or strains Flying Particles	Operatives carrying out the task	4	4	16	Always use the correct tool for the task in hand, during repetitive work (hammering, sawing) sharer the task or take regular breaks to do alternative work. Safety Glasses/Goggles/Face Shield to be worn when using tools that may eject particles. Protection screens should be positioned to prevent injury to 3 rd parties.	2	2	4	DWW Supervisor & Operatives carrying out the task

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ITEM No`	ACTIVITY	HAZARD	PERSON(S) EXPOSED TO RISK	RISK RATING			CONTROL MEASURES TO REDUCE RISK RATING	RESIDUAL RISK RATING			RESPONSIBILITY FOR CONTROL MEASURES
				S	L	R		S	L	R	
8	Site use of 360-degree excavators, either wheel mounted or tracked crawler types. Use of excavators for demolition purposes with specific demolition attachments, namely demolition poles, shears, pulverisor, concrete crusher, grapplers and impact breakers.	Overturning of the excavator	Excavator Driver and any third parties in the near vicinity	4	3	12	Only operators with experience and training in the relevant type of operation and that hold a current CPCS card will operate excavator machines.	2	1	2	Site Supervisor & Plant Operator
		Overloading of the excavator	Excavator Driver and any third parties in the near vicinity	4	2	8	All excavators will be in good condition and suitable and capable for the intended purpose. All excavators will meet with the prescribed test and inspection requirements and records of these will be made available.	2	1	2	Site Supervisor & Plant Operator
							To prevent overloading the manufacturers bucket size will never be exceeded.	2	1	2	Plant Operator
							When the other attachments are used weight /load assessments will be carried	2	1	2	Site Supervisor & Plant Operator

Assessment Legend: **S**: Severity of Injury **L**: Likelihood of Occurrence **R**: Risk Rating

Risk Rating = Severity of Injury multiplied by Likelihood of Occurrence

Likelihood			Likely (5)	Probable (4)	Possible (3)	Remote (2)	Unlikely (1)
Severity							
Fatal (5)			25	20	15	10	5
Major Injury/ Permanent Disability (4)			20	16	12	8	4
Over 3 day injury (3)			15	12	9	6	3
Minor Injury (2)			10	8	6	4	2
No Injury (1)			5	4	3	2	1
16-25	Unacceptable	10-15	High Risk	6-9	Medium Risk	1-5	Low Risk

Description of Task / Work Activity:	DEMOLITION WORKS	Assessment Number:	002
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							out to establish the suitability.				
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				S	L	R		S	L	R	
	Site use of 360 degree excavators	Moving Plant	Site operatives and third parties	4	4	16	When necessary a banks man will be used to ensure that other personnel are kept clear of the excavator working area.	2	1	2	Site Manager & Machine Driver
		Excavator falling into holes, excavations or cellars	Plant Operator, other site operatives and third parties	4	3	12	All personnel in the area of machine movements will wear high visibility clothing	4	1	4	Site Manager & all operatives on site
							An assessment of the ground condition may need to be carried out to ensure the suitability of the area for the excavator operation.	3	1	3	Site Manager
							With regard to unstable ground, such areas of the site will need to be clearly identified. When necessary, physical barriers, edge protection or vehicle stops will be provided. Excavators will not be	2	1	2	Site Manager

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							allowed near to unsupported trenches				
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	Site use of 360 degree excavators	Carrying of persons as passengers.	Passengers and third parties	3	2	6	The carrying of passengers will not be allowed.	2	1	2	Site Manager & Machine Driver
		Noise hazard to hearing	Other site operatives and third parties	3	3	9	In accordance with the Noise at Work Regulations 2006 hearing protection will be provided between levels of 80 and 85 dB (A) and if levels are in excess of 85 dB (A) then the wearing of hearing protection will be mandatory.	2	1	2	Site Manager & All operatives on site
		Flying fragments of debris	Other site operatives and third parties	4	3	12	To safeguard against flying debris the demolition site will be contained as far as it is practical, personnel will be kept away from machine operation by the use of a banksman.	2	1	2	Site Manager
		Debris falling onto the machine and cab	Plant operator and third parties	4	3	12	All excavators will be fitted with FOP/ROP's protection around the operator's cab, plus grilles or similar fitted to protect the windscreen and roof lights.	2	1	2	Site Manager, Machine Driver, Maintenance & servicing Department
ITEM No`	ACTIVITY	HAZARD	PERSON(S) EXPOSED TO RISK	RISK RATING			CONTROL MEASURES TO REDUCE RISK RATING	RESIDUAL RISK RATING			RESPONSIBILITY FOR CONTROL MEASURES
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9	Changing bucket on excavator/ JCB using quick hitch device	Bucket or attachment coming loose (possible fatality)	All operatives & third parties within the vicinity.	5	4	20	Operators are only permitted to use a quick hitch device if they have received training on that specific type of quick hitch. Only use fully automatic or manual quick hitches not semi automatic hitches where possible. When using manual hitches ensure the holding pin is in place and secured before use. Operators may have to leave their cab. Ensure quick hitch is checked after every bucket change to ensure holding pins are suitably secured. Include checking of quick hitch and pin during driver's daily and weekly machine checks. Never use excavator if quick hitch is damaged or pin is missing. Ensure no operatives work underneath bucket or arm during any type of work.	3	1	3	Site manager and Plant operator.
								2	1	2	Contracts & site managers
								2	1	2	Site manager & plant operator.
								2	1	2	Site manager & plant operator.
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				S	L	R		S	L	R	MEASURES
	Changing bucket on excavator/ JCB using quick hitch device	Bucket or attachment coming loose (possible fatality)	All operatives & third parties within the vicinity.	5	4	20	Always use correct safety pin for that specific machine, never replace with an alternative pin, wire or bolt etc.	2	1	2	Site manager & plant operator.
							Only release the bucket when clear from operatives and third parties.	2	1	2	Plant operator
							Ensure the driver removes pin & release bucket not a third party.	2	1	2	Plant operator
							Have regular maintenance checks on all machines including quick hitch and quick hitch lubrication oil by a qualified maintenance professional. For permanently attached quick hitches ensure that maintenance checks are no more than 12 months apart. For removable non-permanently attached quick hitches ensure checks are no more than 6 months apart.	2	1	2	Maintenance team & site manager

Risk Assessment Prepared by...Chris Griffin.....

Signature.....

Date...31. 01. 16..

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