


Rating: **Low=1-2****Med=3-4****High=6-9****RISK ASSESSMENT**

Emerald Green

Site Address:	Turnbridge mill Huddersfield	Date:	March 26
Operation/Task:	Installation of drainage using shoring	Ref No:	043
Personnel at Risk:	Operatives, Sub Contractors, Client employees Public, Visitors.	Review	July 2026


HAZARD	SEV	LH	RATE (SXL=R)	ACTIONS TAKEN TO REDUCE RISKS	SEV	LH	Residual risk (SXL=R)
Operation of the roller Hazards include: Crushing injuries from overturning or impact from the dumper	3	3	9	Planned maintenance program (PPM) applies to dumper Lighting will be required in poor visibility Copies of training certificates together with copies of the drivers qualifications are kept in employee file or submitted to Principal Contractor if requested Drivers are over 18 years of age and passengers are NOT be carried Exclusion zone set up around the work area to prevent access by unauthorised people or general public. High visibility clothing worn. Vehicle and plant movements controlled by banksman or authorised person where reversing or movement in vicinity of pedestrians/ high vehicular movement area. Stop blocks used at edges to trench if necessary Dumper fitted with flashing warning lights and audible alarm. Any defects reported in the defects book. All plant left secure at the end of the working day or removed from site Roll over protections system and seat belt fitted to dumper and roller Drivers to stick to designated haul routes and speed limits. Dump trucks to avoid tipping (or otherwise elevating skip) during high winds. Roller drivers will roll up to the edge of batters rather than along the edges	3	1	3
Whole body vibration	2	2	4	The dumpers are modern and of appropriate ergonomic design, and vibration emissions has been considered in its selection and is the most appropriate vehicle for the task); Good visibility in the cab so that the machine can be operated without stretching and twisting; It is easy to get in and out of the machine by using handholds and footholds so that the temptation to climb or jump is minimised; Access to manually loaded areas should be unimpeded by the machinery structure and involve minimal lifting The dumper has a suspension seat and fully inflated rough terrain tyres that are checked regularly. Regular maintenance of vehicles reduces shocks and jolts	2	1	2

Likelihood	1	Harm will seldom occur	2	Harm will often occur	3	Harm is certain or near certain to occur
Severity	1	All other minor injuries / illness not cover by severity of 2 & 3	2	Leading to 7 day injury or illness (as defined by RIDDOR)	3	Death or major injury (as defined by RIDDOR)
Monitoring period req. / set for:	Supervisor/ Operator - Daily		Those informed / to take part:		Page 1 of 6	

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			3	<p>Suitable and sufficient information and training for employees; The duration and magnitude of exposure is reduced by job rotation Work schedules allow adequate rest periods. Short breaks are taken between operating mobile machinery and manual handling of materials, to give tired muscles time to recover before handling heavy loads, Operatives are provided with warm, and (if necessary) waterproof clothing.</p>			3
Collapse of excavation causing crush injuries.	3	2	6	<p>Where battering or stepping is not appropriate or practicable a system of earth work support to be used to support excavation walls. No man entry permitted into unsupported sections of excavation. Heavy materials and/or work equipment to be sited away from edge of excavation to avoid overburdening excavation walls. Excavation to be backfilled as soon as is practicable after work is completed. Trench sheets will be lowered into the ground as act as edge protection and a ladder access point fitted or the far side of the excavatiol will be stepped to a safe angle for entry. An emergency davit arm system will be on stand by should anyone injure themselves or fall ill when in the trench. The drainage system is new and so there is no risk of contact with foul/live sewage.</p>	3	1	3
Mobile plant overrunning and entering excavation e.g. when placing materials in excavation.	3	2	6	<p>Traffic routes to be set out to avoid driving close to open excavations. Excavations to be properly guarded and conspicuously demarcated Banksman to oversee plant movements when operating near open trenches. Vehicles must not approach open trench in which operatives are working. Daily checks to be undertaken to ensure the slope if safe for the plant to operate on, taking into consideration, weather, gradient, soil type.</p>	3	1	3
Falls into excavation causing impact injuries.	3	2	6	<p>The site area will be locked and protected by heras fencing so as to prevent unauthorised entry to those other than site workers. Exposed excavations will be barriered off at the end of the day or when not being worked on</p>	3	1	3
Contact with underground services causing explosion,	3	2	6	<p>Existing services drawings to be consulted. Pipe & cable location tools to be used prior to excavation.</p>	3	1	3


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Monitoring period req. / set for:	Supervisor/ Operator - Daily		Those informed / to take part:		Page 2 of 6	

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asphyxiation, burns, electrocution or flooding. Or causing interruption of essential provision of utility service to third parties.			6	Where relevant, all known services shall be marked on the surface. Those affected by excavation or otherwise to be exposed with hand dug trial holes. A 'Permit to Dig' shall be issued by the PC Exposed services crossing the trench to be properly protected in terms of support and from impact damage from associated work activity. <i>Work to be carried out in accordance with the HSE guidance note HS 47 'Avoiding danger from underground services'</i>			6
Contact with weils disease	2	2	4	Gloves will be worn at all times. Good hygiene practices will be exercised to wash hands before eating and drinking. Cuts will be covered with plasters	2	1	2
Risk of crush or impact injury from reversing vehicle (e.g. skip and/or concrete delivery wagons) or from moving plant.	3	2	6	Nominated competent and trained banksman or signaller to guide reversing vehicles to their point of discharge. Nominated banksman/signaller to control movement of construction plant during reversing operations or where site requirements dictate for example in areas of restricted clearance.	3	1	3
Use of handtools	2	2	4	The correct tool for the job being done will be used Damaged or badly worn tools MUST NOT be used. These should be taken out of service and repaired or replaced as soon as possible Eye protection to be worn where there is a risk of flying particles/ materials Gloves to be worn where there is a risk of contact/ cuts Remove burred ends from cold chisels at regular intervals Check that the handles of a hammer are secure on their shafts and no splinters are protruding and that shafts are in sound condition All cutting edges are kept sharp and protected when not in use Hand tools will be kept in a clean and dry environment in a good state of repair Ensure all equipment is stored safely	2	1	2
Crush injuries from sheets and walers when lowering or manoeuvring them within trench or impact injuries	3	3	9	Operatives to stand clear of suspended load when placing units in trench. Banksman at ground level to give clear signals to driver of lifting appliance Operatives to stand clear of load after release from sling and during sling's withdrawal from trench.	3	1	3

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Monitoring period req. / set for:	Supervisor/ Operator - Daily	Those informed / to take part:		Page 3 of 6
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from bedding or surround materials being placed in trench								
Falls from height when slinging and releasing walers/ sheetss to/from lifting appliance.	3	2	6	Avoid walking under the unit to fix hooks to lifting points where practicable. Use ladder access to each corner individually if practicable.	3	1	3	
Manual handling of materials & equipment (e.g. reinforcement, stone, concrete, shuttering materials)	2	2	4	Mechanical methods of lifting and transporting materials to be used where practicable. Materials to be loaded out as close to work face as is practicable. Materials to be stored neatly and safely in designated storage areas. Operatives have had manual handling training and wear safety footwear and gloves	2	1	2	
Overturning of plant vehicles causing crush or impact injuries.	3	2	6	Drivers stick to designated routes and speed limits. Seat belts are worn when operating.	3	1	3	
Collapse of excavator and hit by falling excavator bucket.	3	2	6	Buckets are attached using quick hitch system There is a checklist in the cab of daily inspections and 12 monthly LOLER check carried out on the excavator and 6 months on the quick hitch bucket Checks are made to ensure the manual safety pins are always in place and quick hitch is locked in place. Operatives hold the CPCS card and test the security of the bucket after changing it by "shake, rattle and roll", or placing the bucket flat on the ground then trying to uncrowd the bucket so that the bucket tries to disengage from the QH.	3	1	3	
Falling objects/ collapse of lifting accessories	3	3	9	All lifting accessories have had a LOLER inspection in the last 6 months. A register is kept and pre use checks carried out. The safe working load is checked to ensure it is capable of lifting the load and will not be exceeded. The load will be secured before lifting takes place.	3	1	3	
Use of Stihl saw	3	2	6	All fixed machines or tools have a notice attached to the body of the machine or tool stating the types of wheels or discs that can be fitted and the correct operating speed for those wheels or discs (RPM). Pneumatically operated tools have a governor fitted	3	1	3	

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			6	to prevent the tool over-speeding the wheel or disc. The tool will be marked with the maximum working speed and air pressure. Guards will ALWAYS BE PROPERLY SECURED prior to use. Where tool rests are fitted to a machine, these will be regularly adjusted to compensate for wear of the wheel (maximum clearance of 3 mm is allowed between wheel and rest) All wheels and discs will be thoroughly checked for damage prior to mounting. No person shall mount an abrasive wheel or disc unless they are trained, competent and certificated. A wheel or disc shall only be mounted onto a machine or tool for which it was specifically designed or intended for it to operate on. When not in use the machine will be switched off or switched to "idle"			2
Inhalation of petrol / diesel fumes/ contact with petrol	2	2	4	Exhaust is positioned above head height and work carried out outside, Gloves are worn during refuelling. Petrol is stored in steel closed containers away from sources of ignition. Engine is left to cool before refilling. Spill kits stored in site office in case of spill/ leakage.	2	1	2
Inhalation of silica dust	2	2	4	Pressured water suppression system will be used when cutting the tarmac/ concrete floor. FFP3 dust masks are worn . Area is cleared and wind direction is observed so personnel working in vicinity is not affected by dust	2	1	2
Injury from ejected materials	2	2	4	Impact resistant eye protection will be worn to EN 166 standard.	2	1	2
Slips trips and falls	2	3	6	Immediate work area to be kept clear of obstructions and housekeeping standards monitored on a regular basis Adequate lighting of work area to be maintained	2	1	2
Manual handling	2	2	4	Operatives wear gloves and safety footwear Operatives use a, wheel barrow to remove the waste material Operatives have received safe lifting techniques in the health and safety handbook. Team lifting operations used	2	1	2

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Noise/ Hand/arm vibration	3	2	6	Ear protection is worn when using. Low vibration and low noise output tools used. Information provided for hand arm vibration and noise given to operatives, Rubber hand grips fitted to reduce hand arm vibration	3	1	3
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