

Task/Activity: RA11 Working with / adjacent to an excavator/loading shovel	Date assessment completed: 31/1/2023	Review Date: 31/1/2026
Brief Details of Task/Activity Digging/excavating, loading, scraping, levelling, pushing, laying tarmac/stone	Assessment completed by: Sean Croudace	Signature:

What are the hazards? e.g. slip/trip hazards, electricity, manual handling, work equipment	Who might be harmed and how? e.g. staff, service users, visitors etc... and likely injury e.g. bruises, muscle strain, fracture, poisoning etc...	What are you already doing to control the hazard?	What further action or additional controls are required (if necessary)	Risk rating (after control measures)	Action by who	Action by when	Date completed
RTC with other road users Major/minor injuries or fatalities from contact with excavator	The public and employees Collision with traffic, Slips, trips, and falls.	All machine drivers to be CPC/SPORS or similar accredited. Safe working area set up and correctly signed, coned and barriered off in accordance with Chapter 8 of the Traffic Signs Manual. Ensure adequate slewing room is available prior to moving the excavator. Crush/slew zones clearly marked/barriered off Employees to wear hi vis clothing and PPE in accordance with PPE list 1 Supervisors daily checks completed and recorded on sheets provided.	Maintain NRASWA City and Guilds Chapter 8 certification for all employees and supervisors/managers. Ensure PPE is being worn as advised and replace as necessary.	E			

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		Daily inspections of machinery to ensure safe to use					
Contact with equipment and machinery.	Employees and the public Fatality, major/minor injuries, broken limbs, cuts and bruises	Safe working areas set up to Chapter 8 of the Traffic Signs Manual segregated from the public. PPE to PPE list1 to be worn by employees during operations Machinery and equipment being used are checked prior to use, complete relevant checks and procedures prior to use on site. Operatives to hold relevant licenses and have had appropriate training prior to using any machinery. Daily checks of machinery prior to use	Maintain NRASWA City and Guilds chapter 8 training for supervisors and operatives	E			

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		Daily site check sheets completed by supervisors.					
Struck by arm or bucket while loading Load falling from bucket while loading/unloading	Employees/The Public Crush injuries, broken bones	Traffic management / segregation measures in place. All loading/unloading operations to be banksman controlled, other employees instructed to keep clear. Appropriate PPE provided and used(PPE list 1) Operatives to have personal first aid kit on site which is in date and replenished as necessary. Dangers of working with or near mobile plant must be explained to inexperienced operatives. Ensure operatives hold relevant licenses and have had appropriate training. Operatives to have personal first aid kit on site which is up to date and replenished by supervisor as necessary.	Ensure PPE is being worn as advised and replace as necessary.	E			

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Excavation	Employees Musculoskeletal injuries	Service drawings on site wherever possible, expose services by hand, use cable avoidance equipment if task requires, ensure being used when excavating below binder course level. Only trained and competent operatives to carry out activity, operatives to be aware of manual handling procedures. Use mechanical means where possible. Cable avoidance tools to be calibrated annually.	NRASWA City and Guilds cable location and avoidance training to be maintained for operatives and supervisors	E			
Working adjacent deep excavations.	Operator and employees Death, crush injuries, broken bones	Ensure a safe distance is maintained from any excavation, pay particular attention to changing climatic conditions – heavy rain/sustained drought etc Daily visual checks of shoring/sheeting to ensure adequate support to sides of excavations		E			
Materials/equipment handling - size, weight and shape of equipment; pipes, manhole rings, cover slabs, manhole braces, shoring, piles/trench sheets etc	Employees Death, crush injuries, broken bones	Use material specific mechanical lifting aids where possible ie manhole lifting eye bolts, trench sheet puller. Lifting equipment; chains, slings, shackles etc to be certified every six months by qualified insurance assessor to LOLER regulations and be inspected for obvious defects before each use		D			

CATEGORIES OF LIKELIHOOD	
Highly Likely	Expected to happen/reoccur, possibly frequently.
Possible	Might happen/reoccur at some time depends on circumstances.
Unlikely	Not expected to happen/reoccur but possible in certain circumstances.
Very Unlikely	Would only occur in very exceptional circumstances.

CATEGORIES OF CONSEQUENCE SEVERITY	
Catastrophic	Incident could result in <u>one or more fatalities</u> .
Major	Major injury resulting in incapacity, hospitalisation >24 hours.
Significant	Injury requires attention of a Doctor or Hospital treatment or hospitalisation <24 hours.
Minor	Small cut, bruise, abrasion, basic first aid treatment provided.
Negligible	Some discomfort, self help. No treatment required.

RISK RATING				
	Highly Likely	Possible	Unlikely	Very Unlikely
Catastrophic	A	A	B	E
Major	A	B	C	E
Significant	B	C	D	E
Minor	C	D	E	E
Negligible	E	E	E	E

RISK CLASSIFICATIONS	
A	Unacceptable risk , requires immediate attention. Work <u>should not be started or continued</u> until the level of risk has been reduced.
B	High risk , requires immediate attention. Control measures must be identified and put into place as soon as possible.
C	Medium risk , requires attention as soon as possible. The risk should be only be tolerated in the short term and only when further control measures are being planned and introduced, Timescales must be short.
D	Low risks , confirm that there are no low/no cost solutions which may eliminate/ reduce the risk further.
E	Trivial risk , no further action required but review at regular intervals to ensure controls remain effective.