



RISK ASSESSMENT FOR USING AN EXCAVATOR AS A LIFTING APPLIANCE

Activity:	USING AN EXCAVATOR AS A LIFTING APPLIANCE	RA No.								
Location:	ABC	Date :								
Persons at Risk:	Piling Operatives / Engineers / Chainmen	Revision Status								
Equipment to be used:										
Hard Hat, Safety Goggles, Ear Protection, High-Visibility Vest, Gloves, Steel-Toed Boots, Respirator/Mask, Welding PPE, Safety Harness, Safety Belt, Fire Extinguisher, Safety Signage, Chemical-Resistant Gloves, Lockout/Tag out Equipment, Fall Arrest System, Safety Netting		Revision No.:	Revised Date:							
		NA	NA							
Potential Hazards / Conditions considered (Tick Box)				Persons at Risk						
Fall From Height	<input checked="" type="checkbox"/>	Falling of Materials	<input checked="" type="checkbox"/>	Subcontractors	<input checked="" type="checkbox"/>					
Electricity	<input checked="" type="checkbox"/>	Slips/Tripping	<input checked="" type="checkbox"/>	Employees	<input checked="" type="checkbox"/>					
				Public	<input type="checkbox"/>					
				Visitors	<input type="checkbox"/>					
Personal protective equipment (PPE)										
<input checked="" type="checkbox"/>	Safety Helmet	<input checked="" type="checkbox"/>	Respiratory / Berating Apparatus	<input checked="" type="checkbox"/>	Gloves					
<input checked="" type="checkbox"/>	Safety Boots	<input checked="" type="checkbox"/>	Overalls	<input checked="" type="checkbox"/>	Masks					
				<input type="checkbox"/>	Goggles					
					Full Body Safety Harness					
				<input type="checkbox"/>	Ear Plugs/ Defenders					
					Others, if any					
Mandatory HSE requirements (Tick Box)										
<input checked="" type="checkbox"/>	Safety Induction	<input checked="" type="checkbox"/>	Proper PPE	<input checked="" type="checkbox"/>	Work Permit					
<input checked="" type="checkbox"/>	Tool Box Talk	<input checked="" type="checkbox"/>	Safe Work Place	<input checked="" type="checkbox"/>	Proper Supervision					
				<input checked="" type="checkbox"/>	Proper Tools/ Equipment					
					Pre-Task Briefings					
				<input type="checkbox"/>	Proper Barricade & Warning Sign in The Affected area					
					Others, if any					
Risk Level: H (HIGH-Potential to cause death or permanent injury) M (MEDIUM –Potential to cause loss time injury) L (LOW- An injury treatable with First Aid)										
Likelihood (L)	Severity (S)	Class of risk (L*S)	LIKEL IHO OD (L)	RISK MATRIX						Note: 1. Risk assessment must be addressed to workers by the worker in charge before starting a job.
Improbable	Negligible	High = 15-25		5	5	10	15	20	25	
Remote	Minor	Medium = 07-14		4	4	8	12	16	20	
Probable	Reportable	Low = 01-06		3	3	6	9	12	15	
Occasional	Serious			2	2	4	6	8	10	
				1	1	2	3	4	5	



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					1	2	3	4	5	2. Risk assessment is a continuous process hence to be reviewed depending on the activity and risk involved
					SEVERITY (S)					

Sr.	Activity	Hazard	EVALUATION			Control Measures in place or to be implemented	RE-EVALUATION			Persons responsible for Implementation and Supervision.
			L	S	R		L	S	R	
1.	Reversing/movement of the plant around the site of the plant	Injury to operatives, damage to machinery	4	4	16	Turn around the area to be provided at all times. Flashing beacons are to be used on all mobile plants. Banks man to be present at all times for all vehicles to have round visibility or reversing cameras	2	3	6	Project Manager/ Project Engineer/Project Supervisor/Project Safety Officer/Operator
2.	Use of equipment	Injury to operatives/damage to equipment through operator negligence. Crushing of Operatives				Plant only to be operated by designated drivers holding current Construction Plant Competence Scheme (CPCS). Certificate of competence. Bucket of the Excavator to Be Removed For All Lifting Operations. Operators should ensure slewing areas are clear of operatives before boom movement and no operatives are within any crush zones adjacent to other structures. It may be necessary to erect barriers if pedestrian access is minimal in the vicinity of the machine slewing area.	2	3	6	Project Manager/ Project Engineer/Project Supervisor/Project Safety Officer/Operator
3.	Failure of lifting equipment	Failure of lifting equipment – Injury to operatives, damage to machinery				All lifting equipment is to be covered by the current certificate of test and inspection. Permit to lift to be issued by Main Contractor where applicable. Excavator to be fitted with check valves and Safe Load Indicator. All lifting equipment is to be stamped with a safe working load and a unique identification number. All lifting using an excavator is to be planned by the Construction Plant Competence Scheme (CPCS) Appointed Person.	2	3	6	Project Manager/ Project Engineer/Project Supervisor/Project Safety Officer/Operator
4.	Contact with moving plants or falling materials	Injury to operatives/damage to equipment through operator negligence, crushing of Operatives,				Operators must wear safety footwear, high visibility clothing, and safety helmets at all times whilst out of the cab.	2	3	6	Project Manager/ Project Engineer/Project Supervisor/Project Safety Officer/Operator



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Assessed by (print name, date, and Signatures):

Reviewed by (print name, date, and Signatures):