

Project:	Transport Operations	RA No:	81	Review Date
Operation / Task:	Working with Batteries	Persons at risk:	Employees	31/01/2027
Location / Area:	All Depots/Construction Sites	Public at risk:	No	
Monitoring Responsibility:	Transport Manager, Haulage Manager, Service Manager, Service Foreman, HSQE Team, HGV Technicians			

KEY

S = Severity Rating

- Negligible
- Minor Injury
- Major Injury (RIDDOR)
- Fatality
- Multiple Fatality

L = Likelihood of Occurrence

- Improbable
- Remote 1 – 10%
- Possible 10 – 50%
- Probable 50 – 90%
- Almost certain 90%+

RR = Risk Rating

Severity	5	4	3	2	1
5	5	10	15	20	25
4	4	8	12	16	20
3	3	6	9	12	15
2	2	4	6	8	10
1	1	2	3	4	5
	1	2	3	4	5
	Likelihood				

R Unacceptable risk, plan out or add further controls.
O Acceptable only if no other method viable & with high level controls in place.
Y Acceptable with suitable controls.
G Acceptable, no further action required.

Activity	Hazards/Risks Identified	Risk Rating			Control Measures	Residual Risk			Responsibility
		S	L	RR		S	L	RR	
Moving/Handling batteries	Contact with eyes and skin.	4	3	12	<ul style="list-style-type: none"> See COSHH assessment and associated material safety data sheet for batteries. In the event of an emergency seek first aid treatment and contact the emergency services. Refer to COSHH and MSDS for first aid measures. Ensure water, Co2 or dry powder extinguishers are available in the working area. Where there are spills, clean up in line with manufacturers guidelines and local waste regulations. Refer to COSHH and MSDS. Keep batteries away from sparks and naked flames. Remove jewellery including rings, watches before commencing work. Ensure battery terminals are not bought into contact with a conductor. When charging flammable gas is given-off, ensure when disconnecting charging equipment leads are powered down. Keep pregnant persons away from the work activity. Wear the appropriate PPE including safety boots and safety gloves. Maintain good hygiene standards, wash hand prior to eating, drinking and smoking. Ensure that batteries are charged in the designated battery charging room. Ensure batteries are disposed of correctly, use battery disposal boxes available. Licensed hazardous waste battery disposal company to be used from approved supply chain. 	4	1	4	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team
Accidental damage to casing, spills	Swallowing and inhalation.								
Contact with lead and acid.	Lead causing damage to blood, nerves and kidneys.								
Battery charging	Can cause damage to unborn children.								
Battery disposal	May lead to skin cancer.								
	Electric shock.								
	Explosion/fire								
	Slips, trips and falls								
	Manual handling related injuries such as musculoskeletal injuries.								

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Severity

Likelihood

Activity	Hazards/Risks Identified	Risk Rating			Control Measures	Residual Risk			Responsibility
		S	L	RR		S	L	RR	
					<ul style="list-style-type: none"> See manual handling below. 				
Jump starting plant and vehicles	Explosion Electric shock, electrocution Chemical burns Fume/gas inhalation Fatality	5	3	15	<ul style="list-style-type: none"> Always adhere to the manufacturer instructions for jump-starting plant and vehicles. All equipment used to jump start must be inspected prior to use. Inspect batteries prior to loading. Where defects are found, STOP and quarantine defective items. Report this to your Line Manager immediately. Jump starting is only to be carried out by competent authorised personnel. Always use a jump pack where possible. Where using vehicles, the two vehicle/plant must never be touching. Vehicles/plant must be parked with the handbrake applied and in neutral (or park if automatic). Jump leads must have insulated handles which are colour coded. When raising the bonnet, ensure that this is secured correctly with manufacturer fitted prop. Ensure that the jump leads are of the correct gauge for the size/voltage of the battery. No smoking is permitted in the area, used defined designated smoking areas. Full PPE must be worn including goggles and gloves. If the vehicles have different earth polarities the jump start process is different, always work in line with manufacturer user guides and manuals. 	5	2	10	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team

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				9	<ul style="list-style-type: none"> Jump leads must only be connected to designated battery terminals in line with instructions. No metal or stored items are to be in the area. Keep tools, leads and lines/hoses away. Keep away from sources of ignition. Ensure suitable fire extinguishing media is available in close proximity. All tools and equipment must be insulated. Battery terminal covers must be fitted. DO NOT wear jewellery or other metal items when carrying out this task. 			3	
Manual Handling	Musculoskeletal injuries	3	3	9	<ul style="list-style-type: none"> Avoid manual handling operations so far as is reasonably practicable by designing the task to avoid manually moving the load. Use mechanical aids wherever possible. Adopt 2 man lifting techniques where possible. Good housekeeping maintained and a clear route of travel. Ensure that the correct lifting technique is adopted. As a guide, do not lift more than 25kg. All employees are trained in manual handling techniques. 	3	1	3	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team

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Risk Assessment Prepared By:

Paul Lynch

Signature:

Date:

31/01/2026

Risk Assessment Reviewed By:

Daniela Rizvan

Signature:

Date:

31/01/2026

