

Form No: CRA036	Issue No: 1	<b>Catena</b> <b>GENERAL RISK ASSESSMENT</b>
Risk: Batteries and Chargers	Date: 09/23	

<b>Company</b>	Catena Inspection & Engineering Services Ltd		<b>Location</b>	Brookhill Road, Brookhill Industrial Est. Pinxton Nottinghamshire NG16 6NS		
<b>Type of Assessment</b>	<b>Tick</b>	<b>Initial Assessment Date</b>	<b>Review Period (Months)</b>	<b>Planned Review Date</b>	<b>Assessed By</b>	
Site Specific		21/09/23	12	Refer to page 3	D M Peat CMIOSH	
Generic	✓	<b>Name of Supervisor / Person Responsible</b>			<b>Assessment Reference</b>	
Review		Kat Moss			CRA036	
<b>Persons at Risk</b>	<b>Person(s) Undertaking Task</b>		✓	<b>Other Site Staff</b>	✓	<b>Public</b>
<b>Description of work activity being assessed</b>		<i>Batteries and Chargers</i>				
<b>Task / Hazard</b>	1				<b>Sev.</b>	<b>Lik.</b>
Explosion from heat source igniting hydrogen gases					3	2
					<b>Risk (No Controls)</b>	
					<b>Medium</b>	
<b>Ref.</b>	<b>Control Measures Required</b>				<i>Are the following controls in place</i>	
					<b>Yes</b>	<b>No</b>
a	All battery charging must be carried out in well ventilated areas				✓	
b	Before connecting / removing battery charging leads from battery ensure the charger is turned off				✓	
c	Do not charge batteries at rates in excess of manufacturers recommendations				✓	
d	Ensure all tools / loose components / metal jewellery / wrist watches are kept clear of batteries to avoid them short circuiting the battery terminals				✓	
e	Do not overfill battery cells				✓	
f	Do not charge any batteries that show visual signs of damage				✓	
g	Discarded / scrap batteries must be stored in well ventilated areas and away from any source of ignition				✓	
<b>Residual Risk Assuming ALL controls in place</b>					<b>Low</b>	
<b>Task / Hazard</b>	2				<b>Sev.</b>	<b>Lik.</b>
Electrocution from battery charging activities					3	2
					<b>Risk (No Controls)</b>	
					<b>Medium</b>	
<b>Ref.</b>	<b>Control Measures Required</b>				<i>Are the following controls in place</i>	
					<b>Yes</b>	<b>No</b>
a	Battery charger to be examined at regular intervals (PAT Test)				✓	

*Risk Selection Criteria*

Severity Range	<b>3 = Major</b>	<b>2 = Serious</b>	<b>1 = Slight</b>
Likelihood	<b>3 = High</b>	<b>2 = Medium</b>	<b>1 = Low</b>

*Risk Ratings*

<b>High</b>	<b>Medium</b>	<b>Low</b>
<b>9 - 7</b>	<b>6 - 4</b>	<b>3 - 1</b>

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Ref.	Control Measures Required (Continued)	<i>Are the following controls in place</i>			Yes	No
b	Prior to using battery charger carry out a visual inspection				✓	
c	Any battery charger or associated equipment which is damaged should be clearly marked, removed from site until repaired / replaced				✓	
d	Adequate fuse / RCD cut off protection to be provided				✓	
e	Only trained staff to carry out battery charging				✓	
f	Special care / precautions to be taken when charging batteries in situ at external areas, i.e. Wet, tripping hazard from cable, security / tampering				✓	
<b>Residual Risk Assuming ALL controls in place</b>					<b>Low</b>	
<b>Task / Hazard</b>	<b>3</b>		<b>Sev.</b>	<b>Lik.</b>	<b>R.R.</b>	
Spillage / Leakage			2	2	4	
			<b>Risk (No Controls)</b>			
			<b>Medium</b>			
Ref.	Control Measures Required	<i>Are the following controls in place</i>			Yes	No
a	Any batteries showing visual signs of damage / leakage to be discarded				✓	
b	Adequate Personal Protective Equipment (PPE) to be provided and used when handling / dispensing / electrolyte (See PPE Assessment)				✓	
c	All battery acid to be stored safely and in approved containers clearly marked, (See COSHH Assessment)				✓	
d	All batteries to be stored / disposed of in a safe manner				✓	
e	All battery acid to be dispensed in accordance to manufacturers recommendations, using an approved container				✓	
<b>Residual Risk Assuming ALL controls in place</b>					<b>Low</b>	

OVERALL RISK OF CARRYING OUT THIS TASK		
Highest Risk Before Controls in Place	Highest Residual Risk after controls	If the Residual risk after control measures are in place, is HIGH <b>DO NOT UNDERTAKE THIS TASK</b>
<b>HIGH</b>	<b>LOW</b>	

*Risk Selection Criteria*













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Ref	Action(s) Required	Can task continue		Date Actioned	Initial
		Yes	No		

PPE Requirement (Please ✓) Refer to PPE Assessment for PPE Standards								
								
Hard Hat	Glasses / Goggles	RPE	Ear Defenders	Overalls	Hi Vis Vest	Gloves	Barrier creams	Foot Protection
			If required	✓	✓	✓	✓	✓
								
Safety Harness	Safety Goggles							
	✓							

SIGN OFF					
Author			Catena Inspection & Engineering Services Ltd.		
Print Name	Signature	Date	Print Name	Signature	Date
D M Peat		21/09/23			
ASSESSMENT REVIEW					
Author			Catena Inspection & Engineering Services Ltd.		
Print Name	Signature	Date	Print Name	Signature	Date
D M Peat		16/12/24			

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*Risk Ratings*

Page 3 of 4	<b>High</b>	<b>Medium</b>	<b>Low</b>
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**BRIEFING RECORD**

*I confirm that I have read / I have had the contents of this risk assessment explained to me. I confirm that I agree to work to the requirements of this assessment, and I will use all control measures identified in this assessment. I will also raise any concerns to my line Manager / Supervisor if this risk assessment requires amending to suit any unforeseen circumstances.*

Date	Print Name	Signature	Date	Print Name	Signature

SEVERITY RATINGS	
<b>Slight (Marginal)</b>	The hazard may either be controlled, or would commonly result in less than minor, illness, injury or system damage.
<b>Serious (Moderate)</b>	The hazard may commonly cause severe injury or illness or major system damage, requiring immediate corrective action.
<b>Major (Critical)</b>	The hazard may commonly cause death or major system loss, requiring immediate cessation of the unsafe activity or operation.

LIKELIHOOD RATINGS	
<b>Low (Improbable)</b>	Unlikely but possible to occur during standard operations
<b>Medium (Occasional)</b>	Likely to occur sometime during standard operations
<b>High (Probable)</b>	Likely to occur often during standard operations

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Page 4 of 4	<b>High</b>	<b>Medium</b>	<b>Low</b>
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