

Form No: CRA024	Issue No: 2	 GENERAL RISK ASSESSMENT
Risk:	Date: 03/25	
Burning and Welding		

Company	Catena Inspection & Engineering Services Ltd.			Location	Brookhill Road, Brookhill Industrial Estate, Pinxton, Nottinghamshire, NG16 6NS.		
Type of Assessment	Tick	Initial Assessment Date	Review Period (Months)	Planned Review Date	Assessed By		
Site Specific	✓	06/03/26	12	Refer to page 4	K Moss		
Generic		Name of Supervisor / Person Responsible				Assessment Reference	
Review		Kat Moss				CRA024	
Persons at Risk	Person(s) Undertaking Task			✓	Other Site Staff	✓	Public
Description of work activity being assessed		Carrying out burning / welding activities					
Task / Hazard	1					Sev.	Lik.
Fire / Explosion						3	3
						Risk (No Controls)	
						High	
Ref.	Control Measures Required					Are the following controls in place	
a	Burning and welding equipment is regularly examined					Yes	No
b	Any defective equipment is removed from site until repaired / replaced					✓	
c	Staff trained in safe use and operation of burning / welding equipment					✓	
d	Only trained competent staff to carry out this operation					✓	
e	Flash back arrestors to be fitted					✓	
f	Extinguisher to be on hand when carrying out burning / welding activities					✓	
g	Site / Area to be worked should be cleared of any combustible materials					✓	
h	When fitting new cylinders, joints should be soap tested for leaks					✓	
i	When changing, cylinders ensure that there are no sources of ignition					✓	
j	Equipment to be used / stored in well ventilated areas -spare gas cylinders should be chained back to a solid structure					✓	
Residual Risk Assuming ALL controls in place						Low	

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Task / Hazard	2		Sev.	Lik.	R.R.	
Burns / Scalds from material being worked i.e., 'hot work'			2	2	4	
			Risk (No Controls)			
			Medium			
Ref.	Control Measures Required		Are the following controls in place		Yes	No
a	Ensure PPE identified in this assessment is being worn				✓	
b	Leather type hot work gloves / gauntlets and protective clothing worn				✓	
Residual Risk Assuming ALL controls in place			Low			
Task / Hazard	3		Sev.	Lik.	R.R.	
Inhalation of fumes			3	3	9	
			Risk (No Controls)			
			High			
Ref.	Control Measures Required		Are the following controls in place		Yes	No
a	Local exhaust ventilation provided for all welding activities				✓	
b	Extraction equipment should be measured and certificated at least every 14 months by a competent person				✓	
c	Suitable weld fume masks / respirators to be provided and worn by welders				✓	
Residual Risk Assuming ALL controls in place			Medium			
Task / Hazard	4		Sev.	Lik.	R.R.	
Biohazard from wearing dirty masks			3	3	9	
			Risk (No Controls)			
			Medium			
Ref.	Control Measures Required		Are the following controls in place		Yes	No
a	Masks must be issued to one person only, i.e NO SHARING OF MASKS				✓	
b	Masks should be inspected prior to use for any defects, and to ensure it is in a clean condition				✓	
c	Masks should be cleaned / inspected on a regular basis				✓	
d	Welding masks when not in use, and where possible, should be stored in a contamination free environment, e.g lidded plastic container which could be marked with the users name				✓	
Residual Risk Assuming ALL controls in place			Low			

Risk Selection Criteria

Severity Range	3 = Major	2 = Serious	1 = Slight
Likelihood	3 = High	2 = Medium	1 = Low

Risk Ratings

High	Medium	Low
9 - 7	6 - 4	3 - 1

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Task / Hazard	5		Sev.	Lik.	R.R.	
Electrocution from Mig / Electric welding			3	3	9	
			Risk (No Controls)			
			High			
Ref.	Control Measures Required		Are the following controls in place		Yes	No
a	Provide fuse / automatic cut off device				✓	
b	Equipment regularly examined, maintained and the results recorded				✓	
c	Any defective equipment is removed from site until repaired replaced				✓	
d	Adequate earthing is obtained				✓	
			Residual Risk Assuming ALL controls in place		Low	
Task / Hazard	6		Sev.	Lik.	R.R.	
Weld Flash - Exposure to non-ionising radiation from Mig / Electric welding resulting in ‘Arc Eye’			2	2	4	
			Risk (No Controls)			
			Medium			
Ref.	Control Measures Required		Are the following controls in place		Yes	No
a	Ensure staff (conducting the welding) are provided with adequate PPE i.e. goggles / face shield				✓	
b	Area to be screened / restrict access to non-welding staff				✓	
			Residual Risk Assuming ALL controls in place		Low	

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 DO NOT UNDERTAKE THIS TASK
HIGH	LOW	

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

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

SIGN OFF					
Author			Catena Inspection & Engineering Services Ltd.		
Print Name	Signature	Date	Print Name	Signature	Date
K Moss	K Moss	06/03/26			

ASSESSMENT REVIEW					
Author			Catena Inspection & Engineering Services Ltd.		
Print Name	Signature	Date	Print Name	Signature	Date

AMMENDMENT RECORD	
Date	Amendment(s) Made

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BRIEFING RECORD					
<i>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.</i>					
Date	Print Name	Signature	Date	Print Name	Signature

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

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

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