

Title	Tetlow Kiln		
School/Business Unit	Environmental and Rural Science	Location (building/lab/ workshop if applicable)	W55 ROOM 119

JSA Development Date	26/9/17	JSA Development	Paul Lisle
JSA Review Date	26/9/20	Team	

Relevant Australian Standards / Godes of Practice / Legislation

- Guide for handling Refractory ceramic fibres, 2013 Safe work Australia.
- WH&S in Kiln operations, David Coggins

Relevant Safety Data Sheets (can be obtained via UNE subscription to ChemWatch)

NA

Plant & Equipment Required

NA

Licenses Required

NA

Competencies Required

• Induction, Training and Maintenance

PPE Required

















	Dust Mask	Face Shield	Foot Protection	Hair Net	Protective Clothing	Respirator	Sun Protection	Breathing Apparatus
Compulsory	X		X					
As needed		Х		Х	Х	Х		

















	Hand Protection	Hearing Protection	Safety Glasses	Safety Harness	Safety Helmet	Safety Vest	Apron/Lab Coat	Welding Mask
Compulsory	Х		Х				Х	
As needed								
Additional	PPE/Note	es		in the second of		1		

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Job Steps		The Comment					
Job Step		Potential Haza	rds	Risk Score	Controls		Residual Risk*
Loading kiln: Turn kiln on a power this w display current temp The kiln must cooled down completely be loading.	ill s erature. be	Burns from hos surfaces, crucil samples	1	7	power t tempera gloves a when pl crucible In case o press th	ature. Use and dust mask acing s in the kiln. of Emergency e RED power outton near	
Load crucible don't fall out door is opened Don't overload Exhaust fan naturned on be operating kilr	when conditions the conditions of the conditions	Broken crucible cuts/laceration hazard, incompashing. Risk of dropping crucibles while loading the kilo bust from samand kiln constructed with the constructed by th	ns plete ng e In	6 7	Load kil		
Unloading Ki Set Temperat 150° C or below kiln control of instructions) this temperat reached the of be carefully of further cool to The kiln must cooled comp before unload	In: ture to ow, (see perating when ture is door can opened to the kiln.	Burns from ho surfaces Risk of droppii crucibles while removal from Burns and dus hot materials	ng e kiln t from	7	Switch I main por Gloves a must be removing Place S kiln who and still In case press the	or to zero. kiln off at ower. and Facemask e worn when ng crucibles. afety sign on en turned off I hot. of Emergency ne RED power button near	
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^{*} The risk score and residual risk is determined by following steps 1-4 below.

STEP 1			STEP 2				
		f occurrence	Determine severity/consequence/cost				
Risk Scor	e Calculator:	Definition of Terms					
Rare		cur here only in very circumstances	Insignificant	No personal injury; and/or No adverse media atten and/or Financial cost under \$2000			
Unlikely	Could occu	r here at some time	Minor	Minor personal injury (first aid treatment); and/or Adve Local Media Coverage; and/or Cost \$2000-\$50,000			
Possible	May occur here at some time		Moderate	Serious personal injury (medical treatment); and/or Adverse Capital City Media Coverage; and/or Cost \$50,000-\$250,000			
Likely	Will probably occur here (has happened before)		Major	Serious Personal Injury/long term absence; and/or Adverse & Extended National media Coverage; and/or Cost \$250,000 - \$1m			
Almost Certain Is expected to occur here in most circumstances			Catastrophic			and/or Government nore than \$1million	
	etermine Ris						
Risk Scor	e Calculator:	Matrix					
				verity/Consequen		ware to be the same	
Likelihood	d	Insignificant	Minor	Moderate	Major	Catastrophic	
Rare		2	3	4	5	6	
Unlikely Possible		3 4	5	5	6 7	7	
Likely		5	5 6	7	8	8 9	
Almost Ce	ortoin	6	7	8	9	10	
		k Score Response F		0	9 A THE SECTION OF TH	10	
Risk Scor		ore Response	Tiority				
9-10		risk. Highest of priorit	ies. Must he rectif	ied immediately			
8		gh risk. Requires urge			inorary controls to h	ne implemented	
6-7		te to high risk. Promp				o implemented.	
4-5		moderate risk. Consul					
3		w risk. Minor issue for					
2		cant Risk					
STEP 5: In		Highest Control Po	ssible				
	of Controls						
Eliminate t	the hazard						
Substitute	the hazard wi	ith something safer		P			
	hazard from						
	engineering c						
	t administrativ		·	72 32			
Use Perso	nal Protective	Equipment (PPE)					

Name	FRANK LEAR	Title	ERS MAT
Date	3/10/17	Signature	(XOOL)

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Sign (
signed b	by workers (and supervisors) t	o indicate their understanding safe manner as deemed by th	enable them to perform tasks s g of the Job Safety Analysis ar eir supervisor. Workers should fects themselves or others.	id indicates their
Date	Worker Name	Worker Signature	Supervisor Name	Supervisor
				Signature
	•			

Records Storage Instructions

All completed JSAs are to be recorded in TRIM Container A16/3851 utilising a TRIM license in your School/Business Unit. Only the HR Team is able to view records in this container. Completed JSAs are to be published on Safety Hub for ongoing utilisation.

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