

Hot Work Permit - Esperance

Hot Work includes but is not limited to activities such as power cutting, drilling or grinding; welding; thermal or oxygen cutting or heating, explosive/powder actuated gun and other related work which has the potential to produce heat or spark energy.

Designated Hot Work Areas are the Boilermaker & Fitter workshops, Light Vehicle workshop, Electrical workshop and the ERT training facility.

Section 1: Work Summary						
A	Permit Holder Name:				Permit Date:	
B	Location of Work:					
C	Description of work to be carried out:					
D	Safe System of Work	Has a JHA / SWI been completed and attached for the work?			Yes	No
E	Duration of Works	Start Date		Completion Date		
F	Appointed Hot Work Sentry/s:	Name:		Signature:		
		Name:		Signature:		
Section 2: Preparation for Work (Tick Boxes Completing Every Category)						
G	Isolation of Plant: Isolation are in place and isolation locks and tags have been affixed to isolation points	1. Fluid and air isolation are in place? e.g. pneumatic, hydraulic, water, fuel or dust suppression systems	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		2. Electrical isolation are in place?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		3. Mechanical isolation are in place?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		4. Stored energy isolations are in place? e.g. conveyor counterweight	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
H	Hot Work: These precautions have been implemented	1. Is the area clean of all combustible or hazardous material? e.g. sulphur	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		2. Is a ventilation extraction system established at the hot works location?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		3. Fire prevention and suppression measures are in place & operational?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		4. The Hot Work <i>will not</i> introduce hazards into the workplace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
I	Precautions: These controls must be implemented when applicable to the works	1. Warning signs and barricading are in place?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		2. Screens and fire blanks are in place to contain hot work debris?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		3. Has suitable respiratory protection been identified? e.g. PAPR	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		4. Respiratory protection is fitted with the appropriate filters? e.g. ABEP2	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		5. Has suitable PPE been identified? e.g. double eye protection, face shield, welding helmet, gloves and jacket.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		6. Have incompatible operations been considered? e.g. fuel or sulphur out-loading, or work group working below the hot works.	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	
		7. Gas Test Atmosphere conducted to determine if a hazardous atmosphere exists in a potentially Hazardous Area which includes but is not limited to a, enclosed or partially enclosed space, or a space containing a flammable, toxic or inert solid, liquid or gas residue?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>	

Atmospheric Testing Requirements:							
1. Recording of Gas Levels before and during Hot Works to determine the presence of a hazardous atmosphere (The results are to be recorded below)							
Continuous Gas Testing? <input type="checkbox"/>		Is Repeat Gas Testing Required? <input type="checkbox"/>		Repeat Gas Test Every			
INITIAL Atmospheric Oxygen & Gas Testing							
Safe Entry Limits			Below 5%	20 - 23.5%	0 – 9 ppm	0 - 29	0 ppm
Date	Time	Hold	LEL	O ₂	H ₂ S	CO	SO ₂
Authorised Gas Tester		Name:			Signature		Time:
J							
K							
L							
M							
N							
Section 3: Permit Authorisation							
The risk control measures and precautions appropriate for the safe execution of the Hot Works have been implemented and the persons undertaking the works have been deemed competent and have been advised of and understand the requirements of this permit.							
Superintendent, Mechanical Supervisor or Electrical Supervisor		Name:				Date:	
		Signature:				Time:	
Section 4: Hot Work Sentry Duties							
1. Remain outside of, and in close proximity to, the hot works and be capable of being in continuous communication with and, if practical, observe those conducting the hot works.							
2. Ensure combustible and flammable materials are removed from the hot work area.							
3. Ensure fire blankets and screens are installed and conduct pre-wetting in accordance with the JHA.							
4. Conduct and record atmospheric oxygen & gas testing results in accordance with Section J.							
5. Monitor any conditions external to the work area that may affect the health or safety of the persons undertaking the works.							
6. Ensure that access to fire suppression equipment and egress points are always kept clear and unobstructed.							
7. Have a serviceable and authorised method of communication to initiate the rescue plan should an emergency occur.							
8. Initiate emergency response, and fire suppression operations, if safe to do so.							
9. Undertake an inspection of the work area for potential heat sources 30 minutes after hot works is completed.							
10. On completion of works ensure fire suppression equipment is returned to its original location and condition.							
Section 5: Completed Work Authorisation							
All persons and equipment have been withdrawn and the plant is in an operational state and safe for use.							
Supervisor to Confirm		Name:				Date:	
		Signature:				Time:	