

## JOB SAFETY & ENVIRONMENTAL ANALYSIS - JSEA

**Activity/Task:** \_\_\_\_\_ **Procedure / SOI:** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Revision:** \_\_\_\_\_  
**JSEA Prepared by:** \_\_\_\_\_ **JSEA Approved by:** \_\_\_\_\_ **Position:** \_\_\_\_\_  
**Client:** \_\_\_\_\_ **Project:** \_\_\_\_\_ **Permit No.s:** \_\_\_\_\_

\* To be reviewed/finalized/completed on site; in consultation and signed off by ITCS team prior to commencement of work or when the work environment changes. \*

### Hazard Identification – Tick all that apply, write additional hazards identified

HAZARD	YES	HAZARD	YES	HAZARD	YES	HAZARD	YES	WORKPLACE	YES	ENVIRONMENTAL	YES
Confined Space		Engulfment		Suspended loads		Line of fire		Noise - plant & equipment		Air emissions - dust, fumes	
Difficult Entry/exit		Radiation		Falling objects		Pressurized fluids		Lighting		General waste	
O <sub>2</sub> Deficiency/excess		Electrical Hazards - LV/HV		Working near crane & crane runways		Pressurized air/gas		Remote area		Hazardous waste	
Poisonous Fume/gas		Multiple electrical feeds		Live rails-gantry cranes		Traffic Management		Temperature extremes		Hydrocarbon/chem. Spill	
Explosive gas		Working at heights		Trip hazards		Machinery - mobile plant		Weather extremes		Soil disturbance/erosion	
Flammable materials		Ladders		Slippery surfaces		Moving parts		Reduced visibility		Habitat disruption (If any)	
Combustible materials		Elevated work platforms		Manual handling		Unauthorized persons		Communication - personal		High pressure water	
Hazardous substances		Potential for difficult rescue		Sharp materials		Dangerous transport		Communication - means of radio, hand signals		Vacuum	



PEOPLE CONTROLS	EQUIPMENT CONTROLS	ENVIRONMENTAL CONTROLS	PERMITS ATTACHED
Safety watch person	Lockout & tag systems	Ventilation	Excavation
Barriers	Group Isolation	Lighting	Working at heights
Warning Signs	Fire Extinguishers	Ground Protection	Electrical
	Scaffolding for access		Confined Space
			Hot Work

**ADDITIONAL SAFETY EQUIPMENT OR CONTROLS**

Standard PPE for the unit (FRC's, hard hat, hearing protection, safety glasses, steel toe shoes)  
 FRC clothing is required to be worn under all outer garments  
 All outer garments including tyvek must be FR material.

**RISK MATRIX**  
 Use risk matrix to assign a risk rating to each step of the JSEA on the following pages. Refer to Risk Management Procedure HSEQT.PRO.1.4 Risk Management

RISK LEVELS		5	4	3	2	1
		Extreme	V High	High	Moderate	Low
LIKELIHOOD						
SEVERITY	6	30	24	18	12	6
	5	25	20	15	10	5
	4	20	16	12	8	4
	3	15	12	9	6	3
	2	10	8	6	3	2
	1	5	4	3	2	1

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### Risk Assessment

Step No.	Sequence of basic job steps	Potential Safety & Environmental Hazards/ Impacts at the site of the job	Risk Rating Refer to the risk matrix	Recommended Controls Determine the corrective actions to reduce the risk to as low as reasonably practical (ALARP)	Risk Rating Refer to the risk matrix
1.					
2.					
3.					

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4.					
5.					
6.					

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7.					
8.					
9.					

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10.					
11.					
12.					

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13.					
14.					
15.					

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16.					
17.					
18.					

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19.					
20.					
21.					



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### Consultation and Sign-off

I confirm by my signature below, that I have attended a briefing on the requirements of the attached Job Safety & Environment Analysis and agree to perform the work in the manner detailed on it. I confirm that copies of the relevant Permits, MSDS's, Isolation Plans etc. have been reviewed and are attached.

**Activity or Task:**

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**Name (Please Print)**

**Signature**

**Date**