

JOB SAFETY ENVIRONMENT ANALYSIS (JSEA)

AP-OHS-DOC-100

Authorised By:
Rev 0 24/02/2025



Job Safety Environment Analysis (JSEA)

JOB OVERVIEW

Department	Area / Location	Job	Date

HAZARDS – Tick the relevant hazards that will be encountered during the job

SIF Hazards – SAFETY INSTRUMENTED FUNCTION			Task Hazards – Refer to H&S Handbook for applicable controls				Environment Hazards
Confined Spaces Access, atmosphere, LEL, engulfment, identified	Cranes & Lifting Equipment / slings, suspended loads, ground conditions	Dropped Objects Work at heights, gridmesh, gaps, tools, suspended equipment	Dust / Flying Particles PF, fly ash, dust, gravel, soil, abrasive blasting, SMF	Pressure / Projectiles Pneumatic tools, pumps, stored liquid, steam pipes, gas/air lines	Manual Handling Tasks Push, pull, lifting, repetitive motion, twisting, resources	Remote / Isolated Work Working near water, offsite, bores, dams, pipelines, creeks, ROM, diving	Spills / Emissions Chemicals, air, solvents noise land, odours, water, hydrocarbons, ash, dust
Electrical Power tools, leads, switchboards, switching, testing, arc flash	Energised Plant (PTW) Mechanical, chemical, electrical, isolation, access	Hazardous Chemicals Solvents, acids, thinners, grease, oil, glue, paints, alkaline, fuels, lead	Noise & Vibration Plant, tools, equipment, vehicles, compressed air, vibration, hammering	Entanglement / Guarding Rotating machinery, lathes, conveyors, motors, temporary removal	Thermal / Hot Surfaces Heat, hot work, welding, cold, refrigeration, plant, weather, dehydration, boiler	Biological Snakes, spiders, insects, bacteria, animals, fungus, stagnant water, legionella	Waste Regulated waste, contaminated waste, poor clean up, poor
Work at Heights Edge protection, access, harness system, building scaffold, man box, EWP, ladders, scissor lift	Hot Work Fire, explosion, grinding, welding, flammable gas / material, sparks	Vehicle Interaction Moving equipment / machinery, traffic, pedestrians, loss of control	Ultraviolet & Radiation Gauges, NDT, UV sunlight, fatigue, radiant heat, welding flash, dehydration	Digging / Excavation Underground services, building penetration, gas electrical, IT, Asbestos, water, sewerage	People Factors Fitness for duty, health, knowledge, experience, skills, licenses, awareness	Work Area Factors House keeping, uneven ground, pinch points, sharp edges, slips / trips, rain, lightning, structural integrity	Land Management Disturbance of land / vegetation, sediment, erosion, unauthorised land access, weed transmission, interaction with wildlife / livestock, bacteria, algae

JOB SAFETY ENVIRONMENT ANALYSIS (JSEA)

AP-OHS-DOC-100

Authorised By:
Rev 0 24/02/2025



PLANNING FOR THE JOB		
List tools / materials / plans / plant drawings	Training and Competency – List persons involved...	List PPE required

JOB SAFETY ENVIRONMENT ANALYSIS (JSEA)

AP-OHS-DOC-100

Authorised By:
Rev 0 24/02/2025



TASK NAME / ACTIVITY	
SITE / PROJECT NAME	

REQUIRED LICENCES, CERTIFICATES OR COMPETENCIES	

MONITORING FOR COMPLIANCE	
Ongoing monitoring and review of control measures to be done by (name):	
Ongoing supervision to ensure compliance with JSEA to be done by (name):	

PERSON AUTHORISING USE OF JSA		
Name:	Signature:	Date:

JOB SAFETY ENVIRONMENT ANALYSIS (JSEA)

AP-OHS-DOC-100

Authorised By:
Rev 0 24/02/2025



Job Safety Environment Analysis (JSEA)

No.	Sequence of Basic Jobs <i>Consider each stage of the work, including preparation and clean-up.</i>	Potential Hazards <i>Identify the hazards that may cause harm to workers, plant or environment. Where applicable, transfer from above prompts.</i>	RISK (I) LxC	Control Measures <i>Describe the controls that will reduce or minimise risk of injury or damage plant / environment.</i>	RISK (R) LxC	Responsible <i>Nominate those responsible for the task and/or controls</i>	Have the risks been controlled?	
							YES	NO*

***Remember – If control measures do not reduce or effectively manage the hazards DO NOT proceed and consult with your supervisor for review and approval**

JOB SAFETY ENVIRONMENT ANALYSIS (JSEA)

AP-OHS-DOC-100

Authorised By:
Rev 0 24/02/2025



Risk Matrix		Consequences				
		Negligible (1) Minimal injuries / no injuries	Minor (2) Minor injuries / first aid	Significant (3) Moderate injuries / medical treatment	Severe (4) Serious injuries / hospitalisation	Catastrophic (5) Death / permanent impairment
Likelihood	Certain (5) 100% likely / almost 100% likely	Moderate (5)	High (10)	High (15)	Catastrophic (20)	Catastrophic (25)
	Likely (4) Will probably happen / is likely to happen	Moderate (4)	Moderate (8)	High (12)	Catastrophic (16)	Catastrophic (20)
	Possible (3) Could happen or plausible	Low (3)	Moderate (6)	Moderate (9)	High (12)	High (15)
	Unlikely (2) Improbable but could happen / not expected	Low (2)	Moderate (4)	Moderate (6)	Moderate (8)	High (10)
	Very Unlikely (1) Rare / not expected but remotely possible	Low (1)	Low (2)	Low (3)	Moderate (4)	Moderate (5)

JOB SAFETY ENVIRONMENT ANALYSIS (JSEA)

AP-OHS-DOC-100

Authorised By:
Rev 0 24/02/2025



RISK ASSESSMENT:			
Inherent Risk – Using the risk matrix, assess the task as a whole and consider maximum reasonable consequence with controls not in place.			
Residual Risk – Then assess the task with controls in place.			
ASSESS THE CONDITIONS / FINAL CHECK	YES	NO	N/A
Have you checked the area above, below and around you?			
Are the correct work party and resources ready to complete the task?			
Do you have the correct licenses and authorisations?			
Are the relevant rescue plans in place (e.g. confined space, work at heights, etc.)?			
Where is the nearest emergency phone?			
Where is the nearest eye wash shower/station?			
Have barricades, signs and exclusion zones been erected?			
Do you have the specified PPE available for use?			
Are the controls specified in place and effective?			
Has the work party reviewed the JSEA (and PTW if required)?			
Are you/team confident that the task can be performed safely?			
If you have 'No' to any questions DO NOT proceed with the job			

APPROVAL			
Low	Moderate	Significant	High
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Work Party	Supervisor	Site Manager	GM
Name	Signature	Date	
WORKERS SIGN OFF			
Attach associated plans, PRA's and documentation that supports the job			

JOB SAFETY ENVIRONMENT ANALYSIS (JSEA)

AP-OHS-DOC-100

Authorised By:
Rev 0 24/02/2025



Additional Information: (if necessary)