

Title: Job Safety Environment Analysis (JSEA)
 Reviewed: 05/19
 Amended: 05/19
 Review Due: 05/21
 Form: S1878



Job Safety Environment Analysis (JSEA)

<input type="checkbox"/> Callide Power Station	<input type="checkbox"/> Kogan Creek Power Station	<input type="checkbox"/> Wivenhoe Power Station	<input type="checkbox"/> Brisbane Office
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JOB OVERVIEW

Department	Area / Location	Job	Date		
Equipment Name / No.	Isolation Required?	YES	NO	PTW No.	No. of times this JSEA has been used:
	Is any isolation required before commencing the job? <i>If yes, apply for PTW and follow PTW process</i>				1 2 3

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

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

PLANNING FOR THE JOB

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

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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>	Control Measures <i>Describe the controls that will reduce or minimise risk of injury or damage plant / environment.</i>	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**

