

# JOB SAFETY AND ENVIRONMENTAL ANALYSIS

Project Name: **KRRP**

JSEA No: **020**

**X004 2536**

Rev: **0** Page **1** of **5**

Activity/Location: **Survey**

Approved By

**Mark Liersch**

PREPARED/REVIEWED	
NAME	DATE
Tim Grant	20/8/13
J Fruh	5 Sep 13
M Lees	5 Sep 13
M Wynne	5 Sep 13
M Liersch	5 Sep 13

SAFE WORK INSTRUCTIONS (SWIs) & ENVIRONMENT PROTECTION INSTRUCTIONS (EPIs) RELEVANT TO THIS WORK			
K001-Operating Plant	<input type="checkbox"/>	K044-Exposure to Noise	<input type="checkbox"/>
K002-Using Powered Small Plant	<input type="checkbox"/>	K051-Welding & Cutting Drums & Vessels	<input type="checkbox"/>
K003-Using Laser Survey Equipment	<input type="checkbox"/>	K052-Stacking & Storage of Materials	<input type="checkbox"/>
K004-Using Hand Tools	<input checked="" type="checkbox"/>	K053-Trenching & Excavations	<input type="checkbox"/>
K113 Electrically Powered Hand Tools	<input type="checkbox"/>	K126 Concrete Pumping	<input type="checkbox"/>
K115 Compressed Air	<input type="checkbox"/>	K129 Hazardous Chemicals – Storage & use	<input type="checkbox"/>
K116 Oxyacetylene	<input type="checkbox"/>	K072-Working with Asbestos	<input type="checkbox"/>
K114 Explosive Powered Tools and Power Actuated Tools	<input type="checkbox"/>	K130 Manual Handling	<input checked="" type="checkbox"/>
K108 Ladders Use	<input type="checkbox"/>	K132 Personal Protective Equipment	<input checked="" type="checkbox"/>
K010-Erecting & Using Mobile Scaffolding	<input type="checkbox"/>	K083-Communicable Disease	<input checked="" type="checkbox"/>
K011-Erecting & Using Fixed Scaffolding	<input type="checkbox"/>	K136 Fitness for Work	<input checked="" type="checkbox"/>
K012-Lifting & Slings	<input type="checkbox"/>		
K117 Electric Arc Welding Equipment	<input type="checkbox"/>	L001-Soil Erosion Sediment. & Surface Run-Off	<input type="checkbox"/>
K014-Using Electrical Equipment	<input type="checkbox"/>	L002-Disturbance to Terrestrial Flora & Fauna	<input type="checkbox"/>
K015-Operating Cranes	<input type="checkbox"/>	L003-Disturbance to Aquatic Flora & Fauna	<input type="checkbox"/>
K016-Operating Light Vehicles	<input checked="" type="checkbox"/>	L004-Noise Emissions	<input type="checkbox"/>
K018-Using a Workbox	<input type="checkbox"/>	L005-Atmospheric Emissions	<input type="checkbox"/>
K024-Demolition	<input type="checkbox"/>	L006-Vibration	<input type="checkbox"/>
K031-Work Near Plant	<input checked="" type="checkbox"/>	L007-Storage, Maint. & Refuelling Machinery	<input type="checkbox"/>
K032-Work Near Underground Services	<input type="checkbox"/>	L008-Storage & Handling of Hazardous Subs.	<input type="checkbox"/>
K033-Work Near Overhead Power Lines	<input type="checkbox"/>	L009-Social Impact	<input type="checkbox"/>
K124 Water Awareness	<input type="checkbox"/>	L010-Land Restoration & Rehabilitation	<input type="checkbox"/>
K035-Working Close to Traffic	<input checked="" type="checkbox"/>	L011-Potential for Bush Fires	<input type="checkbox"/>
K105 Height	<input type="checkbox"/>	L012-Infectious Plant, Disease & Weeds	<input type="checkbox"/>
K037-Sunburn & Skin Cancer	<input checked="" type="checkbox"/>	L013-Solid and Liquid Waste	<input type="checkbox"/>
K038-Thermal Stress-Heat	<input checked="" type="checkbox"/>	L014-Disturbance to Cultural Heritage	<input type="checkbox"/>
K039-Thermal Stress-Cold	<input type="checkbox"/>	L015-Land Contamination	<input type="checkbox"/>
K040-Remote & Isolated Work	<input checked="" type="checkbox"/>	L016-Visual Amenity	<input type="checkbox"/>
K041-Housekeeping-Access & Egress	<input type="checkbox"/>	L017-Energy & Water Consumption	<input type="checkbox"/>
K043-Cyclonic Conditions	<input type="checkbox"/>	L018-Acid Sulphate Soils	<input type="checkbox"/>

## PREPARATION NOTES

- Input from persons doing the work.
- Be thorough when describing the basic job steps.
- Preferably use control measures that engineer out the risk e.g. handrails, guarding.
- Refer to the relevant CEPs, SWIs or EPIs in the control measures.
- Make sure all hazards related to the work site are identified and controlled - there may be hazards that are not addressed in the CEP, SWI or EPI.
- Supervisor to provide relevant information (methodology, technical details) from CEPs and Project Risk Register.

PPE			
Standard PPE applicable to all activities as noted on this JSEA are as follows:			
Safety Footwear	<b>X</b>	Safety Helmet	<b>X</b>
Long Trousers	<input checked="" type="checkbox"/>	High Visibility Clothing	<b>X</b>
Safety Glasses	<input checked="" type="checkbox"/>	Long Sleeved Shirt	<input checked="" type="checkbox"/>
		Gloves	<input type="checkbox"/>
Note: Other specific PPE is to be identified as part of this risk assessment and listed under "How to Control the Risk" on the following pages. (X indicates use is mandatory)			

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Activity/Location: Survey

Any significant hazards as defined in the Health & Safety in Employment Act 1992, Part 2 must be **Eliminated** / **Isolated** / **Minimised** and result recorded in the end column.

Basic Job Step	What Can Harm You or the Environment	What Can Happen (Risks)	How To Control the Risk (Reduce)	E/I/M
Surveying	Traffic	Bodily harm-Vehicle colliding into person	Traffic Control- refer to traffic management plan. Ensure all road safety signs are installed around survey work site	M
	Laser survey equipment	Laser can damage eyes	Operator to never point laser equipment near any persons eyes.	M
	Heat and sun exposure	Dehydration Sun Burn	Keep fresh water available at all times Apply Sunblock prior to working outside Wear UV protection sun glasses Attach brim to safety helmet	M
	Inserting survey pegs	Crushing hand injury	Wear gloves	M
	Falling coconuts	Bodily harm or injury	Wear hard hat Avoid setting up beneath coconut trees if possible	M
	Lack of communication	Bodily harm or injury	Work in pairs- Use of radios. Prestart and notify other staff on location of survey Keep mobile phone on.	M
	Bush and loose rubbish	Cuts, scratches, and infection	Wear long sleeves at all times and gloves when necessary. Use hand sanitiser after handling any rubbish.	M
	Sea or lagoon	Drowning	Wear life jacket and appropriate swimwear when surveying in the sea. Survey during low tide	M

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Basic Job Step	What Can Harm You or the Environment	What Can Happen (Risks)	How To Control the Risk (Reduce)	E/I/M
	Unstable ground	Trip or fall	Access the ground conditions before walking on	





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