RISK ASSESSMENT
REFRIGERATED CONTAINERS

RISK ASSESSMENT	TYPE OF HAZARD / RISK				Use this form to assess risks associated with hazards to evaluate risk level BEFORE and AFTER application of hazard and risk control measures.
	GENERIC		SPECIFIC	✓	
Location: Brisbane		Risk Assess No: **PRA009**			Risk assessment prepared by: Brian Doyle Sebastian Cavarra
Job / task: Refrigerated Containers					Consultation:
Hazard / Risk: electrocution, slips, trips, falls, crush injuries, manual handling, struck by doors, damage to property. Serious injury or death.					Reviewed by: Approved by: Date 26/ 6/2015

Steps / Activity	Hazard	Persons at risk	Current Controls	Risk 1	Risk Controls(s) required	Date Implemented
1. Delivery & Placement of Container	• Crush injury from delivery truck • Failure of winch cable or other type of lifting equipment • Damage to property • Uneven ground	Operator	• Ensure type of delivery vehicle is suitable to access site, and, delivery path and site are clear of obstacles. • Maintain a safe distance from delivery vehicles. Do not stand under a suspended load, or, between the moving container and adjacent objects. A winch cable can recoil in a 360 degree radius if it fails while loaded. • Position the container in an area safe from passing traffic. Use timber or plywood skids to protect paved surfaces where required. • Position the container on compacted, level ground, to avoid the container twisting which can make the doors more difficult to operate.	L	Operator	
2. Preparation & Set up. Powering unit,	• Electrocution • Incorrect power supply • Power cable left on the ground	Operator	• Ensure power supply is compatible with the container 32amp 415v and RCDs are fitted to main source of power supply (local DB).	H	Operator	

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Steps / Activity	Hazard	Persons at risk	Current Controls	Risk 1	Risk Controls(s) required	Date Implemented
	• Faulty power cables & supply • Water in plugs • No RCD's present at clients premises • Slip, trips & falls (power cables) • No exposed wires from power cable & plug		• Ex-container - Prior to connecting power source Inspect power supply cable & plug to ensure the following concerns are not present, no dust, residues, water, visible damage and no exposed wires out of the plug • Ensure power supply is switched off before plugging power supply cable from unit into power source. Plug into primary power source and ensure plug is fully locked by tightening the shroud (turn clockwise) • Ensure power supply cable is placed in a safe position to avoid slips, trips & falls			
3. Switching the unit off	• Electrocution • Incorrect power supply • Power cable left on ground • Faulty power cables & supply • Water in plugs • No RCD's present • No exposed wires from power cable & plug	Operator	• Turn the power off on the container first. • Turn power off at main power supply, undo the shroud (turn anti clockwise) now ready for disconnection. • Roll power cable from container up and place into cable tray neat and tidy to prevent cable from dislodging. (Cable tray is located generally bottom left hand side at machinery end, or opposite side (LHS) depending on manufacture • Ensure container doors are secured placing hand rails into door keepers	M	Operator	

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4. Entering and exiting the container.	• Slips, trips and falls	Operator	• Use caution stepping into, or out of the container. • Wear non Slip footwear • Ice may be present on floor due to mechanical failure or other, remove ice by hosing out container • If floor level is more than 300mm above ground level ensure compliant step or landing is used for access.	M	Operator	
5. Closing container doors	• As per Step 3. • Trapped inside	Operator	• Ensure no persons are left inside container prior to closing the doors.	L	Operator	

Date	Hazard or Risk	MONITORING OF RISK CONTROLS		REVIEW OF RISK CONTROLS	
		Comments	INIT	Comments	INIT

ASSESSING THE RISK

The risk associated with a hazard is related to the severity of a single incident, and the frequency and duration of exposure to the hazard. In many instances, other hazards present may increase the risk of an individual hazard

STEP 1: Consider how likely a risk is encountered, and what might happen

STEP 2: Use the risk level calculator to determine the degree of risk (or Class of risk) to persons who may be exposed to the hazards

STEP 3: Use the Risk Assessment Worksheet to develop effective control measures. (Consult the hierarchy of risk control measures when carrying out this step)

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RISK LEVEL CALCULATOR						
LEVEL OF CONSEQUENCES	**CONSEQUENCES OF EVENT OCCURRING** *What is the likely outcome of an exposure to the risk?*	**LIKELIHOOD OF EVENT OCCURRING**				
		Almost certain	**Likely**	**Possible**	**Unlikely**	**Rare**
Catastrophic	Fatality or permanent disability; toxic release of chemicals, long-term environmental impact; loss of facilities; very high $ loss	**E**	**E**	**E**	**E**	**H**
Major	Long-term illness or serious injury; serious medium-term environmental effects; major property damage; loss of production; high $ loss	**E**	**E**	**E**	**H**	**M**
Moderate	Medical treatment requiring up to several days off work; spillage contained with outside assistance; significant property damage; med – high $ loss	**E**	**H**	**M**	**M**	**L**
Minor	Minor injury requiring First-Aid; spillage contained on site; moderate property damage; low-med. $ loss	**H**	**H**	**M**	**M**	**L**
Insignificant	No injuries; minor property or environmental damage; very low $ loss	**H**	**M**	**L**	**L**	**L**

LIKELIHOOD OF EVENT OCCURRING	
Almost certain	Event is expected to occur in most circumstances
Likely	Event will probably occur in most circumstances
Possible	Event might occur at some time
Unlikely	Event could occur at some time
Rare	Event may occur only in exceptional circumstances

DETERMINATION OF RISK CONTROL ACTIONS		
RISK SCORE	**RISK LEVEL**	**ACTION REQUIRED**
E	EXTREME	URGENT - Immediate action required to control risk
H	HIGH	Highest management decision required urgently
M	MEDIUM	Follow management instructions regarding risk
L	LOW	These risks may not require immediate attention

LIKELIHOOD OF OCCURRENCE

- How often is the task/activity performed?
- How many people are exposed to the hazard?
- How long is the exposure?
- Are engineering controls preventing exposure at present?
- Does workplace layout and condition affect exposure?
- Are abnormal conditions, which may result in a greater exposure reasonably foreseeable?
- What are the results of any biological or atmospheric monitoring?
- Do workers have the appropriate skills and knowledge to perform their tasks?
- Do current work practices expose workers to a hazard?

LIKELY CONSEQUENCES

- What are the consequences in the short term?
- What are the consequences in the long term?
- What is the history of injuries related to exposure to the hazard?
- How close are workers to the hazard?
- What is the energy level of the hazard (i.e., weight, voltage, volume, height above ground, temperature, amplitude, concentration, aggressive state)?
- If a substance is hazardous, what are the health effects associated with –
  - Inhaling it
  - Ingestion (swallowing) it

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• Are there other contributing factors?	• Skin contact, or Eye contact

COMPLETING THE WORKSHEET

STEP	List steps in the sequence in which they will be carried out
ACTIVITY	Briefly describe the activity or process carried out in each step
HAZARD	Identify what could cause harm to a person, the job, materials, or the environment.
PERSONS	Identify who may be at risk of injury or illness following exposure to the hazard.
CURRENT CONTROLS	Present controls in place. (i.e. Induction, SWP, signage, walkways, training, guarding, PPE)
RISK 1	The degree of severity of the risk posed by the hazard with present controls in place
RISK CONTROLS	What precautions or actions will be taken to control the risk
RISK 2 (Residual risk)	The risk level **after** proposed risk controls are implemented
RESPONSIBILITY	The person who will ensure that the risk controls are implemented
DATE IMPLEMENTED	The date the risk controls were fully implemented
MONITORING	Must be carried out following application of controls to assess effectiveness
REVIEW	After initial implementation and monitoring, review at regular intervals to ensure effectiveness & compliance, controls have not introduced new hazards