Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 1 of 21

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
Crane Operational Safety Pre-Checks.	a) Unsafe use of Crane resulting in Kibble, and/or items shifting & falling from height and striking Personnel and/or objects.	 Serious Risk to Personnel. Moderate Risk to Operator. 	 The Crane has been duly commissioned & all lifting apparatus appropriately marked in accordance with AS 1418. Pre-operational inspections (in accordance with AS 2550.1), to be carried out before each shift Crane taken out of service if any risks or malfunctions are found. These MUST be reported & recorded for assessment by a competent person. Operator to review logbook, be satisfied about presence of unauthorised personnel on the Crane & the safe working conditions of the Crane. Operator to ensure the rated working load of the Crane & any lifting apparatus is not exceeded. (continued on sheet 2 of 21). 	



Risk Control Measures & Risk Assessment for Identified Hazards

Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 2 of 21

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
Crane Operational Safety Pre-Checks (Continued).	a) Unsafe use of Crane resulting in Kibble, and/or items shifting & falling from height and striking Personnel and/or objects. (Continued)	 Serious Risk to Personnel. Moderate Risk to Operator. 	 Any stabilisers to be engaged prior to lifting. All Crane movements to be carried out under power. The operational areas to be assessed for hazards prior to and during work shifts. The Operator to be provided with all necessary information to ensure risks are eliminated or controlled. The Crane must to be left in safe condition after each shift. Inspections, maintenance and repairs to be carried out in accordance with the relative Crane Instruction Manuals and AS 2550.1. 	

Assessment carried out by:_	Allan WALKER, East West Engineering	Date of Assessment:_	24 th Februar	y 2005



Risk Control Measures & Risk Assessment for Identified Hazards

Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 3 of 21

Operation	Hazards	Risk Assessment	Risk Control	Risk Control
1	Identified		Measures in Place	In Place (Date)
Crane Operational Safety Pre-Checks (continued).	b) Electric Shock	 Serious Risk to Operator. Serious Risk to Personnel. 	 All Risk Control Measures outlined in 1(a) above are to be in place. The Power Supply is to be compatible with the Crane. Operator to keep clear of overhead obstructions and in particular MAINTAIN RELEVANT CLEARANCES of ELECTRICAL Conductors. A Spotter shall be used whenever operating near aerial conductors in accordance with AS 2550.1. Ensure an Electrical isolation procedure developed for the Crane is in place – Operator must know location of main isolation switch & fire fighting equipment. If more than 25 persons employed at workplace/site, a Certified First Aider to be at Workplace or on Site. 	

Assessment carried out by:	Allan WALKER, East West Engineering	Date of Assessment:	24 th Februar	y 2005

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 4 of 21

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
2. Industrial Truck Operational Safety Pre-Checks.	a) Unsafe use of Industrial Truck – resulting in Kibble and/or Items shifting & falling from height and striking Personnel and/or objects.	 Serious Risk to Operator. Serious Risk to Personnel. 	 Pre-operational inspections (in accordance with AS 2359.2), to be carried out before each shift Industrial Truck taken out of service if any risks or malfunctions are found. These MUST be reported & recorded for assessment by a competent person. Inspections, maintenance and repairs to be carried out in accordance with the relative Industrial Truck Operating Manuals and AS 2359.2. The Industrial Truck & attachments supporting the Kibble to comply with AS 2359.1. The rated capacity of the Industrial Truck to handle the load must not be exceeded. (continued on sheet 5 of 21). 	



Risk Control Measures & Risk Assessment for Identified Hazards

Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 5 of 21

	Operation	Hazards Identified		Risk Assessment		Risk Control Measures in Place	Risk Control
2.	Industrial Truck Operational Safety Pre-Checks (continued).	a) Unsafe use of Industrial Truck – resulting in Kibble and/or Items shifting & falling from height and striking Personnel and/or objects (continued).	•	Serious Risk to Operator. Serious Risk to Personnel.	-	The Operator MUST ensure the Kibble in empty of material (unloaded) before lifting, transporting or manoeuvring the Kibble about the work site. The operational areas to be assessed for hazards prior to and during work shifts. The Industrial Truck to be used on a hard level surface. The Industrial Truck to be left in a safe condition after each shift. The Operator to be provided with all necessary information to ensure risks are eliminated or controlled If more than 25 persons employed at workplace/site, a Certified First Aider to be at Workplace or on Site when the Industrial Truck is being used.	In Place (Date)

Assessment carried out by:	Allan WALKER, East West Engineering	Date of Assessment:	24 th February 2005





Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 6 of 21

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
3. Kibble Operational Use & Safety Pre-Checks.	a) Unsafe use of Kibble resulting in Kibble shifting & falling from height and striking personnel and/or objects.	 Serious Risk to Personnel. Moderate Risk to Operator. 	 Inspections, maintenance and repairs to be carried out in accordance with Instruction Manual. All Pre-Checks listed in the Instruction Manual are to be carried out before each shift. The Kibble is to be fitted securely to the lifting apparatus according to the Instruction Manual. All instructions for the use of the Kibble as laid out in the Instruction Manual are to be followed. The Kibble shall normally be operated and have its movements directed by a competent person with a 'WorkSafe' Dogging or Rigging Certificate. (continued on sheet 7 of 21) 	

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 7 of 21

	Operation	Hazards		Risk Assessment		Risk Control	Risk Control
3.	Kibble Operational Use & Safety Pre-Checks (continued).	Identified a) Unsafe use of Kibble resulting in Kibble shifting & falling from height and striking personnel and/or objects. (continued).	•	Serious Risk to Personnel. Moderate Risk to Operator.	-	Measures in Place The hoist used to lift the Kibble is not to be twisted or tangled before lifting. The operator to ensure the Pouring Chute is secured in its "Storage" position in accordance with these Instructions or removed from the Kibble prior to transport/ lifting of the Kibble. The Operator to lift the Kibble to required working height to confirm all systems are functioning correctly. The Operator to ensure the Kibble is in its 'lay down position before loading any material and is NOT suspended. Loading the Kibble whilst suspended will increase the allowable volume and OVERLOAD the Kibble beyond its Safe Working Load. (continued on sheet 8 of 21)	In Place (Date)

Assessment carried out by	Allan WALKER, East West Engineering	Date of Assessment:	24 th Februar	y 2005

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 8 of 21

	Operation	Hazards Identified		Risk Assessment		Risk Control Measures in Place	Risk Control In Place (Date)
3.	Kibble Operational Use & Safety Pre-Checks (continued).	a) Unsafe use of Kibble resulting in Kibble shifting & falling from height and striking personnel and/or objects. (continued). b) Unsafe use of Kibble resulting in Load falling from height and striking objects and/or placing personnel in danger.	•	Serious Risk to Personnel. Moderate Risk to Operator. Serious Risk to Personnel. Moderate Risk to Operator.	-	The Operator to ensure there has been no unauthorised interference or alteration to the equipment that may cause risk. If any equipment becomes unsafe, stop all usage until risk has been eliminated or controlled. The use of the Kibble is limited to those situations for which it is specifically designed and/or in accordance with AS 2550.1. All Risk Control Measures outlined in 3(a) above are to be in place. The Operator to ensure the discharge Gates have been securely shut & the safety chain attached to the Handle prior to pouring material into Kibble. (continues on sheet 9 of 21)	in Flace (Date)

Assessment carried out by:	Allan WALKER, East West Engineering	Date of Assessment:	24 th February 2005



Risk Control Measures & Risk Assessment for Identified Hazards

Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 9 of 21

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
Operational Use & Pre-Checks ued).	b) Unsafe use of Kibble resulting in Load falling from height and striking objects and/or placing personnel in danger. (continued)	 Serious Risk to Personnel. Moderate Risk to Operator. 	 The Operator to ensure the Kibble Pouring Chute has been anchored at the required pouring angle in accordance with these Instructions prior to opening the Discharge Gate. The Kibble Operator to ensure the Kibble Discharge aperture or Kibble Pouring Chute (when in use), has been positioned directly over the dumping site prior to opening the Discharge Gate. The Kibble Operator to be aware of the need to release the load gradually from the Kibble to prevent formwork from being overloaded and risk structural damage. The Kibble Operator to be aware that a sudden release of load from the Kibble may make the Crane Boom whip upwards causing the Kibble to bounce dangerously. 	

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Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 10 of 21

	Operation	Hazards Identified	Risk Assessm	ent Risk Control Measures in Place	Risk Control In Place (Date)
4.	Lifting, Lowering, transporting or manoeuvring Kibble (loaded or unloaded) with Crane.	a) Unsafe/Incompetent Operator.	Serious Risk to Operator.Serious Risk to Personnel.	Operators are to use the Crane.	
		b) Items Falling from Height.	 Serious Risk to Personnel. Moderate Risk Operator. 	outlined above are to be in	

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Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 11 of 21

	Operation	Hazards Identified		Risk Assessment		Risk Control Measures in Place	Risk Control In Place (Date)
4. Lifting, Lowering, transporting or manoeuvring Kibble (loaded or unloaded) with Crane (continued). b) Items falling from height (continued).	,	•	Serious Risk to Personnel. Moderate Risk to Operator.	-	The Kibble to be raised no higher than necessary. Transport the Kibble as low as practicable. Operator to hoist Kibble vertically in a smooth manner slowly with minimum acceleration & deceleration.		
		uncontrolled and/or having	•	Serious Risk to Personnel Moderate Risk to Operator.	-	All Risk Control Measures outlined in 4(b) above are to be in place. Operator to gain assurance from a responsible person that the Kibble and any load may be handled safely. The Kibble is NOT to be dragged along the ground. Use a 'tagline' if necessary The Operator is to stay with controls at all times whilst in operation. (continued on sheet 12 of 21)	





Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 12 of 21

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
4. Lifting, Lowering, transporting or manoeuvring Kibble (loaded or unloaded) with Crane (continued).	c) Kibble and/or Load uncontrolled and/or having unexpected movements (continued).	 Serious Risk to Personnel. Moderate Risk to Operator. 	 Operator to avoid sudden stops, jerky movements. Kibble not to be moved unless the safety of persons in the vicinity of the Crane is assured. Operator to follow directions & signals given by an authorised person unless a dangerous situation occurs in which case all Kibble movements to cease. Kibble/hook not to be moved when out of sight unless directed to by an authorised person. The Operator & all Personnel to be aware that the Kibble will automatically roll around its Frame to its 'lay down' position as it is lowered onto a firm surface – ALL Personnel MUST be kept clear. When landing the Kibble by Crane, rope slack must be avoided. 	

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 13 of 21

	Operation	Hazards Identified		Risk Assessment		Risk Control Measures in Place	Risk Control In Place (Date)
	d) Operator exposed to fixed/moving components.	•	Serious Risk to Operator.	-	The Operator is to stay with controls at all times whilst in operation. The Operator is to keep hands/feet wholly within Crane Cab whilst in operation.		
		e) Kibble and/or load too heavy and/or unbalanced.	•	Serious Risk to Operator. Serious Risk to Personnel.	-	All Risk Control Measures outlined in 4(b) and 4(c) above are to be in place. The Operator to be aware of the weight of Kibble & load. The rated working load of the Crane is NOT to be exceeded. The Operator is to be trained in the use of lifting booms, slings & chains for lifting loads. The Kibble is to be raised unladen to working height to confirm all systems are functioning.	

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Risk Control Measures & Risk Assessment for Identified Hazards

Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 14 of 21

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
4. Lifting, Lowering, transporting or manoeuvring Kibble (loaded or unloaded) with Crane (continued).	f) Kibble/Load striking Personnel.	Serious Risk to Personnel.	 All Risk Control Measures outlined in 4(c) and 4(e) above are to be in place. A suitable clear space between barriers is to be left to safely use the Kibble. The Crane/Kibble is NOT to be moved unless the safety of Personnel is assured. Kibble MUST be visible to Personnel controlling the Crane movements at all times whilst suspended. All safety equipment on the Crane MUST be functioning before use. A system is to be developed for handling the Kibble/load about the Workplace/Site. 	

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 15 of 21

Operation	Hazards	Risk Assessment	Risk Control	Risk Control
Operation	Identified	Kisk Assessment	Measures in Place	In Place (Date)
4. Lifting, Lowering, transporting or manoeuvring Kibble (loaded or unloaded) with Crane (continued).	g) Kibble/Load striking objects.	 Serious Risk to Operator. Serious Risk to Personnel. 	 All Risk Control Measures outlined in 4(b), 4(c) and 4(f) above are to be in place. Lifting & lowering areas to be assessed & the Crane Operator and/or Controller made aware of any objects within the path of normal Crane movements. Kibble/hook to be raised sufficiently to avoid collision during horizontal movements. The Crane Mast must be kept clear of any overhead obstructions, particularly Electrical conductors. 	III Trace (Date)
	h) Entanglement with lifting ropes, chains, slings, beams, fallropes & taglines.	Serious Risk to Personnel.	 Spotters, Dogmen, Riggers are to be well clear of any lifting apparatus before any Crane movements take place. All lifting ropes, chains, slings and/or lifting beams are to be prevented from swinging and/or become slack. 	

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Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 16 of 21

	Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
5.	Lifting, Lowering, transporting or manoeuvring Kibble (unloaded) with Industrial Truck.	a) Unsafe/Incompetent Operator.	 Serious Risk to Operator. Serious Risk to Personnel. Only Certified & fully Trained Operators are to use the Industrial Truck. Operators must not work the Industrial Truck unless physically & mentally capable. 		
		b) Items Falling from Height.	 Serious Risk to Personnel. Moderate Risk to Operator. 	 All Risk Control Measures outlined above are to be in place. The Operator to ensure the Forklift tines are suited to the pockets on the Kibble and set to the correct width. Barriers/warning Signs in areas subject to passing traffic to be installed. The Operator MUST ensure the Kibble in empty of material (unloaded) before lifting, transporting or manoeuvring the Kibble using an Industrial Truck. The mast if adjustable shall be back tilted. 	

Assessment carried out by:	Allan WALKER, East West Engineering	Date of Assessment:	24 th February	y 2005





Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 17 of 21

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
5. Lifting, Lowering, transporting or manoeuvring Kibble (unloaded) with Industrial Truck (continued)	movements.	 Serious Risk to Personnel. Moderate Risk to Operator. 	 All Risk Control Measures outlined in 5(b) above are to be in place. Operator to gain assurance from a responsible person that the Kibble may be handled safely with an Industrial Truck. The Kibble is NOT to be dragged along the ground. The Operator is to stay with controls at all times whilst in operation. Operator to avoid sudden stops, jerky movements. Kibble not to be moved unless the safety of persons in the vicinity of the Industrial Truck is assured. 	
	d) Operator exposed to fixed/moving components.	Serious Risk to Operator.	 The Operator is to stay with controls at all times whilst in operation. The Operator is to keep hands/feet wholly within Industrial Truck Cab whilst in operation. 	

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Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 18 of 21

	Operation	Hazards Identified		Risk Assessment		Risk Control Measures in Place	Risk Control In Place (Date)
5.	Lifting, Lowering, transporting or manoeuvring Kibble (unloaded) with Industrial Truck (continued).	e) Kibble too heavy and/or unbalanced (eg. Industrial Truck overturning).	•	Serious Risk to Operator. Serious Risk to Personnel.	-	All Risk Control Measures outlined in 5(b) and 5(c) above are to be in place. The Operator to be aware of the weight of Kibble. The rating capacity of the Industrial Truck to handle the Kibble is NOT to be exceeded. When transporting using an Industrial Truck, it is to be used on a hard surface, the area assessed before usage. The Kibble is to be raised to transport height to confirm all systems are functioning before transporting/manoeuvring about the work site.	in Frace (Bute)

Risk Control Measures & Risk Assessment for Identified Hazards



Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 19 of 21

Operation	Hazards Identified		Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
5. Lifting, Lowering, transporting or manoeuvring Kibble (unloaded) with Industrial Truck (continued).	f) Kibble and/or Industrial Truck striking Personnel.	•	Serious Risk to Personnel.	 All Risk Control Measures outlined in 5(c) and 5(e) above are to be in place. A suitable clear space between barriers is to be left to safely use the Kibble. The Kibble is NOT to be moved unless the safety of Personnel is assured. All safety equipment on the Industrial Truck MUST be functioning before use, (ie Reversing Beepers). Convex mirrors are to be placed at Aisle corners used by Industrial Trucks. A system is to be developed for handling the Kibble about the Work Site. Manoeuvre slowly & cautiously when the Kibble is elevated. 	





Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 20 of 21

	Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
5.	Lifting, Lowering, transporting or manoeuvring Kibble (unloaded) with Industrial Truck (continued).	g) Kibble striking objects, Industrial Truck and/or Mast striking Objects.	 Serious Risk to Operator. Serious Risk to Personnel. 	 All Risk Control Measures outlined in 5(b), 5(c) and 5(f) above are to be in place. The Industrial Truck Mast to keep clear of any overhead obstructions, and in particular ELECTRICAL conductors. Work areas to be assessed to ensure NO overhead fittings can be contacted by Industrial Truck mast and/or Kibble. 	III T lace (Date)
		h) Industrial Truck falling from raised areas.	 Serious Risk to Operator. Serious Risk to Personnel. 	 All Risk Control Measures outlined above are to be in place. All safety railings are to be placed in raised areas such as Ramps, Loading Docks etc. 	



Risk Control Measures & Risk Assessment for Identified Hazards

Equipment Type & Description: Type CKL15, CKL20 & CKL30 Laydown Concrete Kibbles Sheet: 21 of 21

Operation	Hazards Identified	Risk Assessment	Risk Control Measures in Place	Risk Control In Place (Date)
6. Storage of Kibble.	a) Kibble becoming damaged.	 Serious Risk to Personnel. Moderate Risk to Operator. 	 Kibble to be thoroughly cleaned before being stored and after operational use. Regular Maintenance, inspection and testing according to the Instruction Manual to be carried out. Kibble to be stored in dry areas and away from any corrosive chemicals. Pouring Chute to be secured in its "Storage" position in accordance with these Instructions. 	
	b) Kibble in the way of normal Work Site Operations.	Moderate Risk to Personnel.	- Kibble to be stored in areas which will not interfere with the normal running of the Work Site.	