Activity Description & Location:	Operating a Tilt Tray Onshore, Australia	**Assessment No:**	GN009	**Rev:**	1.0
		Date:	7-Mar-2019		
References used: *(Inc. Legal obligations)*		**Assessment Team:**	K. Rowbotham, J. Hollingworth		
		Company / Dept.:	Huracan		
		Frequency of Activity:	Infrequent		
		Persons Affected:	Huracan Crew		

OPERATION / EVENT	HAZARD	RISK	Initial Risk			CONTROLS			Residual Risk		
Steps	***Energy source to cause harm / damage***	***Consequence of hazard – harm / damage to occur***	**Pr**	**Co**	**RS**	***Detail***	***Person to implement***	***Person to monitor***	**Pr**	**Co**	**RS**
Pre-start Checks	• Equipment failure due to lack of inspections or adherence to Kinetic procedures • Unauthorised activity	•	Possible	Major	Med C4	• Remove any items such as jewelry, hanging I.D cards or similar that may catch on equipment • All personnel to wear appropriate PPE • Complete daily pre-start on Tilt Tray and associated equipment • All equipment to must be maintained according to the manufactures instructions and must not be altered in any way. • All associated equipment must be inspected before use and tagged out of service if defective in any way • Gas detectors (if required) must be physically checked, within service	Huracan Crew, Spotter	Supervisor	Remote	Major	Low E4

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						date and bump tested before use • Emergency plans shall be in place and advised to staff prior to the start of work • Conduct daily pre-start meeting • In accordance with client requirements, a Work Permit must be completed (if required) prior to the commencement of work. Kinetic personnel and contractors conducting work under a Work Permit for a client must be trained and authorized to conduct work under that system • All personnel must be Kinetic inducted, Client inducted and Site inducted before conducting the task					
Set Up for task	• Crush Injury	•	Possible	Major	**Med C3**	• Designated route for Tilt Tray entry clearly understood • No driver is to select reverse gear without line of sight with a vehicle spotter • Exclusion zone for loading ato avoid crush injuries and strike injuries • Pinch points and crush zones to be explained as part of pre-start • Gloves to be worn to minimize pinch injuries • Ensure Tilt tray operators are competent	Huracan Crew, Rig Crew	Driller	Remote	Major	**Low D3**

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						• Ensure ground conditions are safe for use by Tilt Tray • Ensure park break and wheel chocks applied • Ensure winch line / cables are not damaged, flattened or have broken wires prior to loading • Ensure weight limitations of load are ascertained and assessed prior to loading • Ensure communications methods are determined and agreed upon before commencing					
Loading / unloading and securing load	• Pinch points • Crush injuries • Sprains and strains • Falling objects • Slips, trips and falls • Equipment damage • Movement of loads during transport		Possible	Major	**Med C4**	• Position the load correctly on the vehicle ensuring weight and balance are distributed appropriate for transit • Use suitable restraint / containment equipment rated to withstand the load restraint forces. Load restraint equipment such as load binders, chains, ratchet straps, ropes, gates shall be compliant and in suitable condition to perform the task • Provide adequate load restraint to prevent unscheduled movement during transit allowing for all foreseeable and reasonable road conditions • Dunnage is to be used to assist with the restraint of items. Loose dunnage is to	Huracan Crew, Rig Crew	All personnel	Remote	Major	**Low E4**

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						be placed in an approved dunnage cage • Any single lengths or small quantities of pipe or metal rod, bar, round pipe shall be correctly secured to its own dunnage for secure loading and restraint during transport • Load binder ratchet tie down devices such as the “Austbinder”, Ev-Cam” or “GrablQ” and other like equipment of the correct specification are the preferred chain tension devices to be used. Lever type load binders contain stored energy and as such shall only be used where an approved risk assessment has deemed their usage is within safe guidelines • National Transport Commission (NTC), Australia Load Restraint Guide shall be used as the reference to assist with material specific packaging and restraint guidelines • Drivers to ensure the vehicle does not exceed mass or dimension limits • Drivers to ensure the load is appropriately restrained • Do not move the vehicle if load has not been restrained					

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						• Ensure no personnel are standing beside trailer when releasing load restraints • Drivers to stop during journey and check that load hasn't shifted and that all restraints remain in place and are not loose				

Approved By: J. Hollingworth	Signature: Jon Hollingworth	Date: 7-Mar-19

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NOTE: Using the Risk Matrix below, identify the Consequence & Probability of each risk occurring and enter the risk score in the Inherent column. Review the consequence, probability and risk score after appropriate controls have been agreed upon. Remember, the consequence does not change unless you eliminate the hazard (only the probability may change!)

		Consequence				
	HEALTH AND SAFETY	First Aid Injury (FAI)	Medical Treatment (MTI)	Lost time Injury (LTI)	Permanent Disability / Fatality	Fatalities (multiple)
	FINANCIAL IMPACT	< $20K	$20K - $200K	$200K - $2M	$2M - $20M	$20M+
	REPUTATION	Minimal impact on business reputation, land holder only	Some impact on business reputation, local community exposure	Moderate impact on business reputation, local media exposure	Significant impact on business reputation, national media exposure	Critical impact on reputation, international media exposure
	ENVIRO.	Incident. No breach of regulations / EA. Minimal and short term impact to any local environment.	Minor breach of regulations / EA resulting in notification to regulator. Localised, short term, recoverable minor impact on flora and fauna	Serious breach of regulations / EA resulting in reporting to regulator, investigation, environment notice or fines. Significant localised but short term environmental impact	Major breach of legislation resulting in prosecution or litigation and regulatory intervention. Serious and long term ecological impact and environmental harm. Emergency Management activated.	Significant compliance breach resulting in prosecution / class action or loss of licence. Severe environmental harm with widespread or permanent Impact Crisis Management activated.
		1. Insignificant	**2. Minor**	**3. Moderate**	**4. Major**	**5. Catastrophic**
Likelihood	A common event that is likely to occur in the industry many times per year	**A. Highly Likely**	**Medium (A1)**	**Medium (A2)**	**High (A3)**	**Extreme (A4)**	**Extreme (A5)**
	An event likely to occur more than once a year in the industry	**B. Likely**	**Low (B1)**	**Medium (B2)**	**Medium (B3)**	**High (B4)**	**Extreme (B5)**
	An event that may occur in the industry over 10 years	**C. Possible**	**Low (C1)**	**Low (C2)**	**Medium (C3)**	**Medium (C4)**	**High (C5)**
	An event not likely to occur in the industry over 10 years	**D. Unlikely**	**Negligible (D1)**	**Low (D2)**	**Low (D3)**	**Medium (D4)**	**Medium (D5)**
	An event that has not previously been experienced in the industry but may occur in exceptional circumstances	**E. Remote**	**Negligible (E1)**	**Negligible (E2)**	**Low (E3)**	**Low (E4)**	**Medium (E5)**

Hierarchy of Controls	**Level 1 – Eliminate the Hazard**	**Level 2 – Substitute, Isolate & Engineer**	**Level 3 - Admin & PPE Controls**
Reporting Requirements	**Report Only – All Negligible Classifications**	**Investigate – All Low to Medium**	**TapRoot – High or above, or any Hi-Po**

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