

OPENSHORE

Risk Assessment Heavy Haulage



Hazards Requiring Attention:

5

AS AT

Wednesday, 11 February 2026

Next Review

Thursday, 11 February 2027

Total Hazards Recorded

33

Critical Risk Hazards

0

High Risk Hazards

5

Moderate Risk Hazards

15

Low Risk Hazards

13

Risk Matrix - Refer Procedure Risk Management

Probability	Low	Minor	Moderate	Major	Critical
Negligible	L2	L3	L4	M5	M6
Unlikely	L3	L4	M5	M6	H7
Possible	L4	M5	M6	H7	H8
Likely	M5	M6	H7	H8	E9
Almost Certain	M6	H7	H8	E9	E10

Heavy Haulage

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Planning the Job	Untrained or unlicensed staff may access site causing serious injury to self or other individuals.	4	4	H8	1 - All staff must have OHS Construction Induction Certificate. 2 - All staff to be trained in safe work method statement. Competent person to supervise all new staff. 3 - Staff to have TfNSW Over mass/oversize Permit for their vehicle All drivers to have appropriate licence for vehicles they are driving.	1	4	M5
Planning the Job	Inappropriate tool and equipment allocation may lead to injury	4	4	H8	1 - Management to ensure that adequate time and staff are allocated to complete the work. 2 - Management to ensure that adequate personal protective equipment is available 3 - Management to ensure that equipment is appropriate for the works (ie appropriate size truck)	1	4	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Drive to Site	Collisions causing injury or death to other drivers, pedestrians and staff	4	4	H8	1 - Staff to follow TfNSW road safety rules and speed limits at all times. Drivers not to exceed 100km/hour 2 - Ensure compliance with TfNSW guidelines in Over mass/Oversize permit for specific routes 3 - Management to ensure 10 hour break within any period of 24hours. Drivers not to exceed 12 hours of driving for every 24 hours. All employees must have 1 × 24hours continuous rest period per week. 4 - Staff to share driving where possible 5 - Ensure all visibility lights on trucks are maintained 6 - Ensure that rear marking plates and oversize signs are in place	2	4	M6
Drive to Site	Consumption of alcohol and illegal drugs causing risk of motor vehicle accident	4	4	H8	1 - Blood Alcohol Concentration must not exceed .02 at any time during work hours 2 - Under no circumstances are staff to take illegal drugs or prescription drugs which may affect their driving performance	2	4	M6

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Drive to Site	Poor driver management causing driver fatigue and risk of motor vehicle accident	4	4	H8	1 - Staff to ensuring regular night sleep of 7-8 hours to manage driver fatigue 2 - Staff to maintain health by eating well balanced diet and adopt strategies to manage stress 3 - Staff to be educated on driver fatigue 4 - NSW truck rest road area map to be kept in all vehicles 5 - National Driver Logbook to be filled out for each individual driver. Copies provided to employers and records kept for 12 months for auditing as requested by the TfNSW	2	4	M6

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Accessing the Site	Slips, Trips and Falls.	3	3	M6	1 - All staff to wear approved rubber sole work boots as per AS2210. 2 - Onsite inductions to be completed prior to entering the job including identification of any slip trip and fall hazards. 3 - All staff to be aware of risk management procedures to ensure they can identify, assess and control all trip hazards. 4 - Competent person to supervise all new staff. 5 - Staff not to access areas where risk of slip trip or fall is present such as edge of platform. 6 - Approved orange safety vests as per AS 1716 to be worn at all times.	1	3	L4
Park Trailer/Truck in Appropriate Position	Traffic Hazards	3	4	H7	1 - Traffic control to be used where necessary Direct traffic as necessary. 2 - Approved orange safety vests as per AS 1716 to be worn at all times. Supervisor to monitor traffic movements 3 - Ensure trucks reverse beacons and warning sound is working and maintained	1	4	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Load Heavy Movable Plant onto Truck								
Remove chains from ramp	Manual Handling Injury	4	3	H7	1 - Staff to follow correct manual handling procedures: o Use mechanical lifting devices and trolleys where possible o Only lift objects within your safe lifting limit (use team lifts where needed) 2 - Clear a path, assess the load, get a good grip, ensure a wide stance, bend the knees, keep the \spine strait, use the legs to lift, do not twist the trunk, use a smooth action, brace the stomach muscles and lower safely.	2	3	M5
Remove chains from ramp	Hand Crush Injury	4	3	H7	1 - Wear leather gloves when handling chains. 2 - Do not over tighten chains 3 - Always hold handle with two hands	2	3	M5
Unlock locking pins Lower ramps Readjust matting Drop suspension	Manual Handling Injury	4	3	H7	As Above	2	3	M5

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Unlock locking pins Lower ramps Readjust matting Drop suspension	Machine failure causing injury to workers.	3	3	M6	1 - Set up truck in accordance with manufacturer's recommendations 2 - Daily maintenance check of functions and operation safety 3 - Only trained and competent staff to be involved in operating and maintaining the truck 4 - Supervision to be provided to all new staff	2	3	M5
Unlock locking pins Lower ramps Readjust matting Drop suspension	Injury to surrounding persons from lowering ramps	3	3	M6	1 - Operator to warn surrounding persons 2 - Use a spotter were necessary	1	3	L4
Drive movable plant onto trailer	Unplanned tipping of the vehicle/plant	4	4	H8	1 - Ensure stable foundation of trailer and movable plant 2 - Minimum of one preferably two spotters to be used whist moving plant onto back of trailer 3 - Driver of plant to drive as slowly and watch and listen to spotters attentively 4 - Ensure clear communication between plant driver and spotter using signals, whistles, or uninterrupted radio frequency	2	4	M6

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Drive movable plant onto trailer	Working at height – risk of falls from height	4	4	H8	1 - Select appropriate fall protection equipment to access heights above 1.8 meters. 2 - Site supervisor must implement the use of either a work platform, physical barrier or physical restraint (In that order) for all work above 1.8 meters. 3 - Staff must review and implement safety requirements specified by suppliers of plant. 4 - Safety barricade all perimeters over 1.8m	2	4	M6
Drive movable plant onto trailer	Overloading vehicle causing risk of serious accident	4	4	H8	1 - Operator not to exceed manufacturers mass and loading restrictions 2 - Only trained and competent staff to operate truck	2	4	M6
Drive movable plant onto trailer	Contact with overhead powerlines and electricity causing electrocution	4	5	E9	1 - Isolate power where possible Use tiger tails as necessary 2 - Truck and all plant to operate safe distances from electrical services at all times as per AS2550.5- 2002 - o 3m clearance up to 132,000V - o 6m clearance 132,000V to 330,000V - o 8m + clearance for over 330,000V	2	5	H7

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Raise suspension Raise ramps Lock locking pins	Debris blowing causing risk of injury to workers when raising ramps	3	3	M6	1 - Appropriate eye protection to be worn 2 - Operator to clear large amounts of debris from ramps before raising 3 - Operator to warn surrounding persons of flying debris when raising ramps	1	3	L4
Chain Ramps	Manual Handling Injury	3	3	M6	As above for remove chains	1	3	L4
Chain Ramps	Hand Crush Injury	3	3	M6	As above for remove chains	1	3	L4
Leave Site	Traffic Hazard	3	3	M6	1 - Use traffic controllers where available 2 - Designate another employee to stop/redirect traffic	1	3	L4

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Unload Heavy Movable Plant								
Remove Chains	Manual Handling Injury	3	3	M6	As above for remove chains	1	3	L4
Remove Chains	Hand Crush Injury	3	3	M6	As above for remove chains	1	3	L4
Unlock locking pins Lower ramps Drop suspension	Machine failure causing injury to workers.	3	3	M6	1 - Set up truck in accordance with manufacturer's recommendations 2 - Daily maintenance check of functions and operation safety 3 - Only trained and competent staff to be involved in operating and maintaining the truck 4 - Supervision to be provided to all new staff	1	3	L4
Unlock locking pins Lower ramps Drop suspension	Injury to surrounding persons from lowering ramps	3	4	H7	1 - Operator to warn surrounding persons 2 - Use a spotter were necessary	1	4	M5
Drive movable plant off truck	Unplanned tipping of the vehicle/plant	4	5	E9	As above for drive plant onto trailer	2	5	H7
Drive movable plant off truck	Working at height – risk of falls from height	4	5	E9	As above for drive plant onto trailer	2	5	H7

Activity	Hazard	Probability	Consequence	Ranking	Control	Probability	Consequence	Ranking
		Inherent Risk				Residual Risk		
Drive movable plant off truck	Contact with overhead powerlines and electricity causing electrocution	4	5	E9	As above for drive plant onto trailer	2	5	H7
Drive movable plant off truck	Objects falling from height	4	5	E9	As above for drive plant onto trailer	2	5	H7
Raise suspension Raise ramps Lock locking pins	Debris blowing causing risk of injury to workers when raising ramps	3	3	M6	1 - Appropriate eye protection to be worn 2 - Operator to clear large amounts of debris from ramps before raising 3 - Operator to warn surrounding persons of flying debris when raising ramps	1	3	L4
Chain Ramps	Manual Handling Injury	3	3	M6	As above for remove chains	1	3	L4
Chain Ramps	Hand Crush Injury	3	3	M6	As above for remove chains	1	3	L4
Leave Site	Traffic Hazard	3	3	M6	1 - Use traffic controllers where available 2 - Designate another employee to stop/redirect traffic	1	3	L4
Towing Plant Trailer	Trailer Uncoupling Overloading Trailer Load Incorrectly Secured	5	5	E10	1 - Check pins are inserted fully with safety pins 2 - Follow trailer SWL. Be aware of the load to be towed. 3 - Do not load trailer if the load may exceed the SWL of the trailer. 4 - Load restraints applied in accordance with the National Transport Commission Load Restraint Guide 2018	1	5	M6