



DRILL RIG

RA NO

DATE

H.T.I Score	8	Medium-Regular Monitoring & Supervision
Contract		
Persons involved in RA	Name	Signatures
Foreman		
Second Foreman		
Safety Officer		
Representative		

Documentation Required	Training Required	PPE and Safety Equipment Required
OHS Act and Construction Regulations	General induction - all employees	Overalls
Appointment Explosives Manager	Toolbox talks	Safety Footwear
Appointment Blasting Supervisor	First Aider	Ear Protection
Appointment First Aider	Competency Operator	Eye Protection
Appointment Operator		Gloves
Competency First Aider		Hard Hat
Competency Operator		Fire Extinguishers
Plant/ Vehicle registers		First Aid Box
Compressor certificate		

	Activity Steps	Hazards and Risks	Preventative Measures	Rating
1	Transport of compressor and drilling rigs	Damage to compressor and drill rig if not secured to the transport vehicle.	Driver of transport vehicle to ensure that the compressor and drill rig is properly secured to the vehicle.	11
		Accident and injury if driver of transport vehicle is speeding.	Speed limit to be set on site. All drivers must keep to the set speed limit.	8
		Time delay and possible damage if compressor and drill rig are too heavy for transport vehicle.	Driver of transport vehicle to ensure that the transport vehicle is not overloaded.	8
2	Pre Start	Employee not conducting pre start check could lead to damage or property loss.	Only trained and competent employees to start the compressor and drill rig start up check list to be completed by operator.	8

		Not checking the water, oil and lubricants could lead to damage and loss.	Only trained and competent employees to start the compressor and drill rig start up check list to be completed by operator.	8
		Doing walk around inspection while the area around the machine is not level can result in injury	The operator must make sure the area is safe and level before leaving machine	5
		Operator bumps his head while checking under machine for loose pipes can cause injury	Operator must wear his PPE while doing his inspection	5
		Dust inhalation can result into illness	The supervisor must make sure the correct PPE are used.	5
		Slip and fall from step while climbing into the cab can cause injury	Operator must make sure the correct manufactured none slip steps are still in place	5
		Hydraulic oil leaks can cause environmental damage	The machine is not allowed to work if a serious hydraulic oil leak occurs	5
3	Start up	Employee injured by moving parts	Drill rig operator to ensure that all moving parts are protected by means of machine guards	8
		Incompetent Operators can cause injuries, property damage and environmental damage	All operators are to be competent before operating any machine or equipment.	8
		Compressor and drill rig not used safely causing injury loss and damage.	Drill rig operators to be trained and to undergo regular Toolbox Talks.	11
4	Operation of Drill Rig	If the boom is not correctly positioned while working it can cause damage to the boom	If the drilling machine must work for a long distance the boom must be lowered to the horizontal position and be secured before moving off. The boom of the drill must be in a horizontal position whilst travelling from point A to point B	8
		Machine that tilts could lead to serious injury or death	The drilling machine must always drill at a level position	11
		Operating on slopes may cause the machine to roll over or slip sideways result into damage and injury	When operating on slopes and far as possible avoid turning the machine on a slope	11
		Operate the drilling machine at incorrect speed whilst drilling can result into damage of the drilling rod	The machine should always be operating at a speed where it can be correctly controlled	8

		Working on embankments can cause injury and damage if embankment collapses	Check stability of embankment before commencing	11
		Working too close to overhead lines Overhead electric cables may cause an electric shock and damage to surrounding property	If you have to work close to overhead power lines the engineer must give clearance to work	11
		Operating at the edge of a high wall. The machine may fall over the edge of the high wall causing injury	Machine must be parked at least 3m from a high wall.	11
		Long term exposure to noise can result in hearing loss.	The supervisor must make sure that ear protection is used	5
5	Operational Area	Working area is not big enough can cause damage or injury	Supervisor must make sure the working area is big enough for work to be done	8
		Poor floor conditions can result in production loss	Supervisor must make sure drilling area is clean	5
6	Parking	Operator does not switch off machine when parked. Unauthorised person can use machine	Operator will not leave machine unattended while idling	11
		The machine may fall over the edge of the high wall if it is parked too close, causing injury	Machine must be parked at least 3m from the high wall	11
		If the machine is not locked out, unauthorised persons can access the machine	Driver will remove the key at all times from the machine when leaving	11
7	Maintenance	Compressor and drill rig not in a safe condition can cause injuries, property damage or environmental damage	All discrepancies on the pre-start checklist must be reported immediately. Compressor and Drill rigs to be maintained by workshops according to maintenance schedule. Compressor to have a valid test certificate (36 monthly), compressor to be visually inspected (findings to be recorded on to a register).	8
		Working on a running engine can cause injury or death	The mechanic must remove the keys from the machine until he is finished with the job for preventing somebody to start engine.	11