Hazard Register

Type	DRILL RIG	**Location**	Select
Make	-	**Sale Number**	1967
Model	-	**Lot Number**	
Serial Number			

ID	Hazard Type	Hazard Description
141853.1	Access	EXCLUSION ZONE AROUND PLANT WILL NEED TO BE MAINTAINED TO PROTECT AGAINST PLANT / PEOPLE INTERACTION DURING PLANT OPERATION.
141853.2	Guarding	MOVING PARTS OF PLANT MAY ENTRAP OR CUT BODY PARTS. ALL FIXED AND OPERABLE GUARDS MUST BE REPLACED AFTER MAINTENANCE/CLEANING ACTIVITIES. GUARDING SHOULD BE IN ACCORDANCE WITH AS4024.1: SAFEGUARDING OF MACHINERY.
141853.3	Crushing	COMING INTO CONTACT WITH MOVING PARTS OF THE PLANT DURING TESTING, INSPECTION, OPERATION, MAINTENANCE, CLEANING AND REPAIR. ENSURE SIGNAGE IS ATTACHED ADJACENT TO PLANT INSTRUCTING OPERATOR TO “KEEP BODY PARTS (HANDS ECT) CLEAR DURING PLANT OPERATION.
141853.4	Pre-operational check	DEVELOP AND CONDUCT (DAILY) DOCUMENTED PRE-OPERATIONAL CHECKS PRIOR TO EACH USE. ENSURE DEFECTS ARE REPORTED AND DOCUMENTED COPIES ARE RETAINED WITH PLANT.
141853.6	Vibration	OPERATOR MAY BE EXPOSED TO EXCESSIVE OR WHOLE BODY VIBRATIONS DURING PLANT OPERATION.
141853.7	Flammable substances	EXPLOSION/FIRE FROM ENGINE, SHUT OFF ENGINE AND LEAVE TO COOL BEFORE REFUELLING, PROVIDE FIRST AID KIT AND FIRE EXTINGUISHER FOR THE PLANT.
141853.8	Plant Operation	INJURY TO OPERATOR, PLANT DAMAGE OR FAILURE MAY RESULT FROM OPERATING PLANT ABOVE ITS MAXIMUM WORKING GRADE OR ON AN UNSTABLE SURFACE. ENSURE PLANT IS OPERATED WITHIN MANUFACTURERS SPECIFICATIONS / RECOMMENDATIONS.
141853.9	Fire	FAILURE OF SERVICE LINES (FUEL, OIL, HYDRAULIC). ALL LINES SHOULD BE REGULARLY INSPECTED FOR ANY VISIBLE SIGNS OF DAMAGE AND REGULARLY SERVICED AND MAINTAINED.
141853.10	Guarding	ENTANGLEMENT WITH DRILL DRIVE SHAFT ALWAYS RESULTS IN SERIOUS INJURY AND/OR DEATH. THE MASTER SHIELD WHICH PREVENTS CONTACT WITH THE DRIVE SHAFT AND THE FRONT STUB SHAFT OF THE DRIVE LINE MUST BE SECURELY IN PLACE AND IN GOOD REPAIR.
141853.11	Plant Controls	OPERATOR INJURY MAY RESULT FROM POORLY LABELLED / UNLABELLED OR INCORRECTLY LABELLED CONTROLS. ENSURE ALL OPERATIONAL CONTROLS ARE CLEARLY IDENTIFIED AND LABELLED. CONTROL LABELS ARE READABLE ON THIS PLANT.
141853.12	Fire	OPERATOR MUST BE FAMILIAR WITH THE LOCATION AND OPERATION OF THE MAIN ISOLATING SWITCH. ENSURE FIRE EXTINGUISHER IS FITTED TO PLANT AND ENSURE PERSONNEL ARE PROVIDED WITH COMPETENCY BASED TRAINING REGARDING USE OF EXTINGUISHER. ENSURE EXTINGUISHER IS CHECKED EVERY 6 MONTHS.
141853.13	Noise	SOUND PRESSURE LEVELS (SPL) NEEDS TESTING AT OPERATOR STATION. IF SPL GREATER THAN 85 dB(A), CLEAR & VISIBLE WARNINGS MUST BE ATTACHED RE: USE OF HEARING PROTECTION.
141853.14	Skills	ENSURE ONLY COMPETENT/SKILLED PERSONNEL HAVE ACCESS TO AND USE OF PLANT. ENSURE RECORDS OF QUALIFICATIONS ARE RETAINED ONSITE.

141853.15	Signage	OPERATOR INJURY MAY RESULT FROM ILLEGIBLE OR MISSING WARNING LABELS/SIGNAGE (NOISE, PPE, OPERATING INSTRUCTIONS, HOT SURFACES, EXITS, ROTATING FANS, NIP POINTS ECT). REGULAR INSPECTION & REPLACEMENT OF WARNING LABELS (SAFETY DECALS) IS REQUIRED. SIGNAGE IS TO BE COMPLIANT WITH AS 1319 SAFETY SIGNAGE FOR THE OCCUPATIONAL ENVIRONMENT.
141853.16	Falling	FALLS MAY OCCUR WHILE ACCESSING PLANT DUE TO POORLY MAINTAINED OR MISSING HANDRAILS, LADDERS, PLATFORMS OR KICK BOARDS. ENSURE ALL ARE MAINTAINED AND CHECKED DURING DAILY PRE-START CHECK AND ANY DEFECTS DOCUMENTED AND REPORTED BEFORE PLANT USE.
141853.17	Logbooks	ENSURE THAT A LOGBOOK IS COMPLETED WITH DAILY OPERATIONAL SAFETY CHECKS AND RECORDS OF FAULTS, REPAIRS AND MAINTENANCE. ENSURE LOGBOOK IS RETAINED WITHIN PLANT CABIN.
141853.18	Emergency Stop	AN EMERGENCY STOP BUTTON IS PRESENT ON THIS PLANT. REGULARLY CHECK OR TEST THE BUTTON FOR CORRECT FUNCTIONING.
141853.19	HIGH PRESSURE	HYDRAULIC PRESSURE RELEASE, INJECTION OR EYER INJURY, ENSURE THAT ALL HYDRAULIC LINE S AND FITTINGS ARE REGULARLY INSPECTED FOR DAMAGE OR LEAKS.
141853.20	Electrical	A BATTERY ISOLATOR IS PRESENT ON THIS PLANT. RUBBER BOOTS ARE PLACED OVER THE BATTERY TERMINALS ON THIS PLANT TO PREVENT ARCING.
141853.21	Ergonomics	ENSURE THE SEAT ON THIS PLANT HAS GOOD BACK SUPPORT, SECURED AND IN GOOD CONDITION. THE SEAT IN IS IN GOOD CONDITION ON THIS PLANT.
141853.22	warning device	ENSURE THAT THERE IS ONE AUDIBLE AND ONE VISUAL WARNING DEVICE ON THE PLANT E.G. ROTATING WARNING LIGHT REVERSE OR OPERATIONA WARNING BEEPERS.

Health and Safety
Plant Safety
Purchaser Information

This plant health and safety information has been prepared by Grays for the purchaser of the plant item as required by National WHS Legislation. Whilst every effort has been made to identify all of the hazards, it should be recognised that all reasonably practicable hazards have been identified given due consideration to:

- state of knowledge about the plant item
- the availability and suitability of ways to eliminate or control the hazards
- the cost of evaluating, eliminating or controlling the hazard

Consequently, if this plant item is being purchased for use at a place of work, the purchaser is reminded of their obligations to involve and consult with employees in identifying foreseeable hazards, assess their risks and to take action to eliminate or control the risks.

In order to assess the risk, it is necessary to consider for all the identified hazards, the chance (likelihood) of something happening that would impact (consequence) on health and safety at the workplace. The following guidelines are provided to assist the purchaser in consistently carrying out an assessment of risk:

Likelihood

- Frequency and duration of exposure
- Probability of occurrence of hazard or event (including part history of incidents)
- Possibility to avoid / minimize or limit the damage, impact or harm
- Reliability and effectiveness of existing / established systems of control

Consequences

- Assume “worst case” injury, but also competent follow-up medical and rehabilitation support
- Consider forces or energy levels, highest belt tensions, size of gears, pulleys or other entrapment points and therefore body parts likely to be injured
- Consider sharpness of entrapment points, surrounding parts likely to exacerbate injury, and any give in the entrapment point
- Consider, will entrapment continue until plant is stopped, or can an injured part travel through the entrapment area
- Are temperatures of plant, or chemicals, likely to further injure entrapped person

The outcome of the risk assessment will be a prioritised list of risk control strategies and actions consistent with the following ratings:

Low risk- may be considered acceptable, where the existing controls in place are seen to be effective, requiring periodic monitoring for effectiveness.
Medium risk- considered to be unacceptable and requiring additional risk controls within medium to long term.
High risk – considered to be unacceptable and requiring action within the short to medium term.
Extreme risk – unacceptable, where immediate action required.

In all of these cases employees/operators must be made aware of the risk controls in place to protect them from the hazards.