

Hazard Register



Type	WATER JETTING CUTTING MACHINE	Location	-
Make	-	Sale Number	5054660
Model	-	Lot Number	21
Serial Number			

ID	Hazard Type	Hazard Description
141476.1	ENTANGLEMENT.	HAIR, CLOTHING, GLOVES, JEWELLERY, TOOLS, RAGS OR OTHER MATERIALS OR BODY PARTS MAY BECOME ENTANGLED WITH MOVING PARTS OF THE WATER JET CUTTING MACHINE OR MATERIALS IN MOTION SHOULD THE OPERATOR, MAINTENANCE PERSONNEL OR BYSTANDERS GET TOO CLOSE TO THE MOVING PARTS OF THE WATER JET CUTTING MACHINE.
141476.2	CRUSHING.	FINGERS, HANDS AND OTHER BODY PARTS CAN BE CRUSHED DUE TO MATERIAL FALLING OFF THE WATER JET CUTTING MACHINE; THE UNCONTROLLED OR UNEXPECTED MOVEMENT OF THE WATER JET CUTTING MACHINE OR THE MATERIALS; LACK OF CAPACITY FOR THE WATER JET CUTTING MACHINE TO BE SLOWED, STOPPED OR IMMOBILISED; COMING IN CONTACT WITH THE MOVING PARTS OF THE WATER JET CUTTING MACHINE DURING OPERATION, MAINTENANCE OR CLEANING; OR BEING TRAPPED BETWEEN THE PART OF THE WATER JET CUTTING MACHINE AND MATERIALS OR FIXED STRUCTURES.
141476.3	CUTTING, STABBING OR PUNCHING	FINGERS, HANDS, ARMS AND OTHER BODY PARTS CAN BE CUT, STABBED OR PUNCHED DUE TO COMING IN CONTACT WITH SHARP OR FLYING OBJECTS; COMING IN CONTACT WITH MOVING PARTS OF THE WATER JET CUTTING MACHINE DURING OPERATION, MAINTENANCE, CLEANING AND REPAIR OF THE WATER JET CUTTING MACHINE; AND PARTS OF THE WATER JET CUTTING MACHINE OR MATERIALS DISINTEGRATING AND BEING EJECTED.
141476.4	SHEARING.	FINGERS, HANDS AND OTHER BODY PARTS CAN BE SHEARED BETWEEN TWO MOVING PARTS OF THE WATER JET CUTTING MACHINE OR BETWEEN A MOVING PART OF THE WATER JET CUTTING MACHINE AND THE MATERIAL BEING PROCESSED BY WATER JET CUTTING MACHINE.
141476.6	FRICTION & ABRASION	HANDS, FINGERS AND OTHER BODY PARTS CAN BE BURNT OR SEVERELY INJURED DUE TO CONTACT WITH MOVING SURFACES OF THE WATER JET CUTTING MACHINE OR MATERIAL PROCESSED BY THE WATER JET CUTTING MACHINE.
141476.7	STRIKING.	THE OPERATOR, MAINTENANCE PERSONNEL AND/OR BYSTANDERS MAY BE STRUCK BY MOVING OBJECTS DUE TO THE UNEXPECTED OR UNCONTROLLED MOVEMENT OF THE WATER JET CUTTING MACHINE OR MATERIALS HANDLED BY THE WATER JET CUTTING MACHINE; OR PART OF THE WATER JET CUTTING MACHINE OR MATERIALS HANDLED BY THE WATER JET CUTTING MACHINE DISINTEGRATING AND BEING EJECTED.
141476.8	HIGH PRESSURE FLUIDS	OPERATORS, BYSTANDERS AND MAINTENANCE PERSONNEL CAN COME IN CONTACT WITH FLUIDS UNDER VERY HIGH PRESSURE, DUE TO FAILURE OR MISUSE OF THE WATER JET CUTTING MACHINE OR LACK OF OR FAILURE TO FOLLOW ISOLATION AND SAFE WORK PROCEDURES.

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141476.9	ELECTRICAL.	OPERATORS, BYSTANDERS AND MAINTENANCE PERSONNEL CAN BE INJURED BY ELECTRICAL SHOCK OR BURNT DUE TO THE OVERLOAD OF ELECTRICAL CIRCUITS; DAMAGED OR POORLY MAINTAINED ELECTRICAL EQUIPMENT, CABLES AND LEADS; DAMAGED ELECTRICAL SWITCHES, SOCKETS AND CONTROLS; WATER NEAR ELECTRICAL EQUIPMENT; MISUES OF THE WATER JET CUTTING MACHINE AND LACK OF ISOLATION PROCEDURES.
141476.11	SLIP TRIP FALL	OPERATORS AND BYSTANDERS WORKING AROUND THE WATER JET CUTTING MACHINE CAN SLIP, TRIP AND/OR FALL DUE TO UNEVEN OR SLIPPERY WORK SURFACES; POOR HOUSEKEEPING INCLUDING MATERIALS IN THE VICINITY OF THE WATER JET CUTTING MACHINE AND SPILLAGES NOT BEING CLEANED UP; AND OBSTACLES BEING PLACED OR STORED IN THE VICINITY OF THE WATER JET CUTTING MACHINE.
141476.13	ERGONOMICS.	OPERATORS AND OTHER WORKERS CAN BE INJURED DUE TO WORK OR PROCESSES THAT REQUIRE REPETITIVE BODY MOVEMENT; CONSTRAINED BODY POSTURE OR THE NEED FOR EXCESSIVE EFFORT; LACK OF CONSIDERATION GIVEN TO HUMAN ERROR OR BEHAVIOUR; AND MISMATCH OF THE WATER JET CUTTING MACHINE WITH HUMAN TRAITS AND NATURAL LIMITATIONS.
141476.18	STEAM.	OPERATORS AND BYSTANDERS COULD BE SCOLDED BY STEAM DUE TO FAILURE OF THE PLANT, MISUSE OF THE PLANT OR FAILURE TO FOLLOW OR LACK OF SAFE WORK PROCEDURES.
141476.27	NOISE.	OPERATORS AND BYSTANDERS CAN BE INJURED OR SUFFER ILL-HEALTH FROM EXPOSURE TO NOISE LEVELS GREATER THAN 85db(A) CONTINUES OVER 8 HOURS OR 140db(C) PEAK, THROUGH THE OPERATION OF THIS PLANT.
141476.30	AUTOMATIC & REMOTELY OPERATED MACHINERY	OPERATORS, MAINTENANCE PERSONNEL AND BYSTANDERS CAN BE INJURED DUE TO THE WATER JET CUTTING MACHINE STARTING AUTOMATICALLY AND/OR BEING REMOTELY OPERATED AND THE LACK OF SAFETY SYSTEMS AND ISOLATION PROCEDURES.
141476.31	PLANT OPERATION.	THE WATER JET CUTTING MACHINE SHOULD ONLY BE OPERATED BY COMPETENT, SKILLED AND TRAINED PERSONAL. ALL OPERATOR CONTROLS SHOULD BE CLEARLY LABELLED AND FUNCTIONING CORRECTLY AND THIS WATER JET CUTTING MACHINE SHOULD NOT BE OPERATED WITHOUT ALL GUARDING IN PLACE AND ALL SAFETY SYSTEMS FUNCTIONING CORRECTLY. PEOPLE CAN BE INJURED DUE TO THE FAILURE TO FOLLOW AND LACK OF ISOLATION AND SAFE WORK PROCEDURES FOR THIS WATER JET CUTTING MACHINE.
141476.32	MAINTENANCE.	THE WATER JET CUTTING MACHINE SHOULD ONLY BE MAINTAINED BY COMPETENT, SKILLED AND TRAINED PERSONNEL AND ALL ENERGY SOURCES ASSOCIATED WITH THE WATER JET CUTTING MACHINE TO BE ISOLATED AND DE ENERGISED WHILE PLANT IS BEING MAINTAINED. THE WATER JET CUTTING MACHINE SHOULD NOT BE PUT BACK IN SERVICE WITHOUT ALL GUARDS IN PLACE AND ALL SAFETY SYSTEMS TESTED AND OPERATING CORRECTLY. PEOPLE CAN BE INJURED DUE TO THE FAILURE TO FOLLOW AND LACK OF ISOLATION AND SAFE WORK PROCEDURES FOR THIS WATER JET CUTTING MACHINE.
141476.33	CLEANING AND CLEARING	THE WATER JET CUTTING MACHINE SHOULD ONLY BE CLEANED OR HAVE BLOCKAGES REMOVED ONCE IT HAS BEEN ISOLATED FROM ALL ENERGY SOURCES AND ANY STORED ENERGY HAS BEEN RELEASED. PEOPLE CAN BE INJURED DUE TO THE FAILURE TO FOLLOW AND LACK OF ISOLATION AND SAFE WORK PROCEDURES FOR THIS WATER JET CUTTING MACHINE.

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141476.34 INFORMATION, INSTRUCTION, TRAINING & SUPERVISION ALL OPERATORS, MAINTENANCE PERSONNEL AND PEOPLE REQUIRED TO WORK ON THE WATER JET CUTTING MACHINE REQUIRE INFORMATION ON THE OPERATION AND HAZARDS OF THE WATER JET CUTTING MACHINE, INSTRUCTION AND TRAINING ON HOW TO OPERATE, CLEAN AND MAINTAIN THE WATER JET CUTTING MACHINE AND PERSONAL SHOULD ALWAYS BE SUPERVISED WHEN OPERATING, MAINTAINING OR REQUIRED TO WORK AROUND THE WATER JET CUTTING MACHINE.

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	Consequences
<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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.