**PLANT RISK ASSESSMENT FORM**

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| **Site / Area:** |       | **Date of assessment:**  |  | **Risk Assessment #:** | **RAXXX** |
| **Completed by (name):** |       | **Signature:** |       |
| **In Consultation with** |       | **Signature:** |       |
| **Identify / describe activity, equipment, area or event you are assessing:**  |  |
| **Step 1:** **Identify the hazard/s:**What do you believe are the hazards?(Refer Risk Assessment Guideline (015G)) | **Step 2: Assess the risks:**What do you believe are the risks?(Refer *Risk Assessment Guideline (015G)*) | **Step 3: Reducing the risk:**What do you believe can be done to reduce the risk?(Refer *Risk Assessment Guideline (015G)*) |
| **What could cause harm?** | **What could go wrong?** | **Controls** |
| **Entanglement**Can a person’s hair, clothing, gloves, neck tie, jewellery, cleaning brushes, rags or other material become entangled in moving parts or materials in motion? | * Incorrect lifting pushing pulling, holding & restraining.
* Sprains & strains
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 | * Hazardous manual task training
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| **Crushing**Can a person be crushed due to:* Material falling off the plant?
* Uncontrolled or unexpected movement of the plat or its load?
* Lack of capacity for the plant to be slowed, stopped or immobilised?
* The plant tripping or rolling?
* Parts of the plant collapsing?
* Coming in contact with the moving parts of the plant during testing, inspection, operation or maintenance?
* Being thrown off or under the plant?
* Being trapped between the plant and, materials fixed structures?
* Other risk factors related to crushing?
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| **Cutting, stabbing or puncturing**Can a person be cut, stabbed or punctured due to:* Coming in contact with sharp or flying objects?
* Coming in contact with moving parts?
* The plant or parts of the plant or work pieces disintegrating?
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| **Shearing**Can a person’s body parts be sheared between two parts of the plant or between a part of the plant and a work piece or structure? | *
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| **Friction**Can a person be burnt due to contact with moving parts or surfaces of the plant or by material handled by the plant? | *
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| **Striking**Can a person be struck by moving objects due to:* Uncontrolled or unexpected movement of the plant or material handled by the plant?
* The plant, parts of the plant or work pieces disintegrating?
* Work pieces being ejected?
* Mobility of the plant?
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| **High Pressure Fluid**Can a person come into contact with fluids under high pressure due to plant failure or misuse of plant? |  |  |
| **Electrical**Can a person be injured by electric shock due to:* The plant contacting live electrical conductors?
* The plant working in close proximity to electrical conductors?
* Overload of electrical circuits?
* Damaged or poorly maintained electrical leads and cables?
* Water near electrical equipment?
* Lack of isolation/out of service procedures?
* Other factors not listed?
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| **Explosion**Could a person be injured by explosion of gases, vapours, liquids, dust or other substances triggered by the operation of plant or by material handled by the plant? |  |  |
| **Temperature*** Can a person come into contact with objects at high temperature?
* Cam a person suffer ill health due to exposure to high or low temperatures?
* Does the person have to use/operate the item of plant outdoors?
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| **Ergonomic or manual handling**Can a person be injured due to:* Poorly designed seating?
* Repetitive body movement?
* Constrained body posture?
* The need for excessive effort?
* Mental/psychological stress from design deficiencies?
* Poor lighting?
* Poor consideration given to human behaviour or error impacts?
* Mismatch of the equipment with human traits and limitations?
* Other factors not listed?
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| **Slip, trip or fall**Can a person using the plant slip, trip or fall due to:* Uneven or slippery work surfaces?
* Poor storage or poor housekeeping practice such as swarf or oil on the floor in the vicinity of the equipment?
* Obstacles used or stored near the plant?
* Poor floor/walking surfaces?
* Steep walking surfaces?

Can a person fall from a height due to:* Lack of a proper work platform?
* Lack of proper stairs or ladders?
* Lack of handrails or guardrails?
* Unprotected openings, holes or gaps?
* Collapse of a supporting structure?
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| **Metal fatigue**Could injury occur to a person from:* Damage to the structure from metal fatigue?
* Damage to the structure due to poor integrity of welds?
* Breakage due to loose pins or parts?
* Breakage due to excessive/obvious wear of structure or parts?
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| **Noise*** Could the person damage their hearing from use of the item?
* Does the item of plant exceed 85dB(A) over an 8 hr day?
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| **Hazardous Chemicals*** Could the person come into contact with chemicals when decanting?
* Could the person be exposed to fumes/vapours whilst the item of plant is in use?
* Is there adequate ventilation?
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| **Any other factors?*** Potential foreign bodies in the eye
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| **Authorised by:** |  | **Signature:** |  | **Date:** |  |

**Review hazard/risk assessment if task or circumstances change and at intervals appropriate to the level of risk (minimum 5 years).**

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| **Step 4: Monitor & review:**(Refer to hazard sheet)**Please tick Yes or No** |
| **Were the controls effective?** | **Were there any unforeseen hazards/ incidents?** | **New controls** |
| **Yes** | **[ ]**  | **No** | **[ ]**  | **Yes** | **[ ]**  | **No** | **[ ]**  |
| **DETAILS** | **DETAILS** | **DETAILS** |
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| --- | --- | --- | --- | --- | --- |
| **Name:** |  | **Signature:** |  | **Date:** |  |