

Hazard Identification and Assessment Form

Location (Room Number/Description):

Contact Information:

Item No.	Equipment / Activity	Hazards	Severity	Probability	Risk Level	Current Controls/ Comments
		Chemical, Physical, Ergonomic, Biological				

Severity of Harm: Catastrophic, Serious, Moderate, Minor
Risk Level: Refer to Risk Estimation Matrix

Probability of Occurrence of Harm: Very Likely, Likely, Unlikely, Remote

Assessment Completed By (Please Print):

Date: _____

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Hazard Identification and Assessment Form Reference

The following guidance is based on the ANSI B11.TR3-2000: ANSI Technical Report for Machine Tools-Risk Assessment and Risk Reduction-A Guide to Estimate, Evaluate and Reduce Risks Associated with Machine Tools.

Severity of Harm:

Catastrophic – death or permanently disabling injury or illness (unable to return to work)

Serious – severe debilitating injury or illness (able to return to work at some point)

Moderate – significant injury or illness requiring more than first aid (able to return to same job)

Minor – no injury or slight injury requiring no more than first aid (little or no lost work time)

Probability of Occurrence of Harm:

Very likely - near certain to occur

Likely – may occur

Unlikely – not likely to occur

Remote – so unlikely as to be near zero

Items to consider when evaluating probability include history of injuries, training level of personnel performing the tasks, reliability of safety functions, frequency and duration of exposure and number of persons exposed.

Risk Level Determination

To identify the Risk Level, match the Severity of Harm with the Probability of Occurrence of Harm. See Examples below.

- A. If the Severity is 'serious' and the Probability is 'likely', the Risk Level would be 'high'.
- B. If the Severity was 'minor' and the Probability is 'remote', the Risk Level would be 'negligible'.

Table 1: Risk Estimation Matrix

Probability of Occurrence of Harm	Severity of Harm			
	Catastrophic	Serious	Moderate	Minor
Very Likely	High	High	High	Medium
Likely	High	High	Medium	Low
Unlikely	Medium	Medium	Low	Negligible
Remote	Low	Low	Negligible	Negligible