## INDUSTRIAL LASER (ANSI CLASS 3B AND 4) SAFETY TIPS

### Be Prepared
- Ensure you have been trained on proper use and know the class of the laser(s) in use as per Ministry of Labour recommendations and ANSI Z136.1
- Talk to the laser safety officer if you have any questions or concerns
- Inspect the equipment for obvious defects such as:
  - Damage to housing
  - Electrical power supply
  - See company checklist
- Use appropriate personal protective equipment (PPE):
  - Appropriate protective eyewear
  - Safety footwear
  - Gloves
- Know where the fire extinguisher is located

### Work Safe
- Remove flammable materials and liquids from work area
- Cover windows or draw blinds
- Never open the housing while a laser is running
- Keep the beam path above or below eye level for one seated or standing
- Do not look into the beam
- Never aim the laser at a person’s eye or reflective objects
- Do not point into the sky or at a vehicle
- Do not defeat any safeguarding
- Follow signs and procedures for controlled access to laser-affected area
- Ensure local exhaust is working for heat treating/cutting/burning/welding

### Finish Right
- Ensure all warning signs are readable
- Use a lockout procedure for cleaning and maintenance
- Defective equipment must be tagged and removed from service
- Clean and put away PPE
- Let your supervisor know of any safety concerns and damage to the laser system

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**Speak up!**
If you see a hazard, let a supervisor know. Everyone plays a role in your safety and health.
HOW TO USE SAFETY CHECKS FOR WORKERS

Safety checks provide information for workers on how to work safely with specific hazards. Safety Check information can be used in orientation training, tailgate talks or even in one-one coaching. Use the following tips to help you communicate this information in your workplace:

- Use language that is consistent with the workplace
- Consider the work you do and specific examples of how these hazards can result in injury or illness
- Explain how the safe work practices will help prevent injury and illness
- Wherever possible, use the actual tools, equipment, materials and PPE to demonstrate proper use
- Ask specific questions during your talk to check understanding
- Keep a record of each talk that you deliver (see the form below)
- Post a copy of the Safety Check for workers to reference

OWNERS AND SUPERVISORS

Have you taken reasonable measures to control this hazard by using the hierarchy of controls?

- Providing well-engineered lasers with appropriate safeguarding
- Implementing policies and procedures for proper use and maintenance as per Ministry of Labour recommendations and ANSI Z136.1
- Inspecting and repairing regularly
- Training staff
- Implementing and enforcing PPE program

Date: ____________________________  Topic: __________________________________________________

Safety Check Session Leader: _________________________________________________________________

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