

Self-inspection Checklist – Class 3B and 4 Lasers

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|--|-----------------------|----|----|----------|
| Date: | Department: | | | |
| Supervisor: | Building/Room: | | | |
| Posting, Labeling and Security Measures | | | | |
| | Yes | No | NA | Comments |
| Are entrances properly signed? | | | | |
| Is the room adequately secured? | | | | |
| Is the door interlocked? | | | | |
| Is there a laser status indicator outside the room? | | | | |
| Laser Unit Safety Controls | | | | |
| | Yes | No | NA | Comments |
| Is the protective housing in place? | | | | |
| Is there an interlock on the housing? | | | | |
| Is there a beam shutter? | | | | |
| Is there a key operation? | | | | |
| Is there a laser activation indicator? | | | | |
| Is there an emergency shutoff available? | | | | |
| Engineering Safety Controls | | | | |
| | Yes | No | NA | Comments |
| Are laser optics secured? | | | | |
| Are lasers at eye level? | | | | |
| Is the beam enclosed? | | | | |
| Are beam stops in place? | | | | |
| Is the beam collected using optics? | | | | |
| Is the beam intensity reduced through filtration? | | | | |
| Are fibre optics used? | | | | |
| Are windows covered? | | | | |
| Are reflective materials kept out of beam path? | | | | |
| Administrative Safety Controls | | | | |
| | Yes | No | NA | Comments |
| Is the laser SOP posted? (template can be found at: https://carleton.ca/ehs/programs/working-lab/laser-safety-program/) | | | | |
| Are emergency contacts posted? | | | | |
| Have personnel completed Laser Safety Training? | | | | |
| Is eye protection appropriate for wavelength? | | | | |
| Does eye protection have adequate OD? | | | | |
| Can warning/indicator lights be seen through protective filters? | | | | |
| Are jewelry and watches prohibited? | | | | |
| Non-Beam Hazards | | | | |
| | Yes | No | NA | Comments |
| Are gases, vapors, and fumes controlled? | | | | |
| Are compressed gases secured? | | | | |
| Is there potential for the following hazards? | | | | |
| <ul style="list-style-type: none"> • High voltage • Collateral Radiation • Fire • Explosion | | | | |