**LASER SAFETY INSPECTION CHECKLIST**

Permit Holder: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Permit No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Building: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Department: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Room: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Completed by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**EQUIPMENT**

Laser Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Laser Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Make and Model #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Serial #: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| **Laser Posting, Labeling and Room Control Measures** | | **Deficiency Noted** |
| Entrances properly labeled and posted | **Y N N/A** |  |
| Room security | **Y N N/A** |  |
| Entryway interlock system | **Y N N/A** |  |
| Entryway interlock system functioning | **Y N N/A** |  |
| A door, blocking barrier, curtain, etc. at entry way | **Y N N/A** |  |
| Protective windows | **Y N N/A** |  |
| Laser status indicator outside room | **Y N N/A** |  |
| Equipment labels | **Y N N/A** |  |
| Registration certificate posted | **Y N N/A** |  |

|  |  |  |
| --- | --- | --- |
| **Engineering Control Measures** | | **Deficiency Noted** |
| Protective housing in place | **Y N N/A** |  |
| Interlock on housing | **Y N N/A** |  |
| Beam shutter present | **Y N N/A** |  |
| Key control | **Y N N/A** |  |
| Laser activation warning system (with emission delay) in place | **Y N N/A** |  |
| Remote interlock connector (emergency shutoff) available | **Y N N/A** |  |
| Laser secured to table | **Y N N/A** |  |
| Laser optics secured to prevent stray beams | **Y N N/A** |  |
| Enclosed beam path | **Y N N/A** |  |
| Limited open beam path | **Y N N/A** |  |
| Totally open beam path | **Y N N/A** |  |
| Beam barriers in place | **Y N N/A** |  |
| Beam stops in place | **Y N N/A** |  |
| Beam intensity reduced through filtration | **Y N N/A** |  |
| Reflective materials kept out of beam path | **Y N N/A** |  |
| Remote monitoring/viewing devices | **Y N N/A** |  |

|  |  |  |
| --- | --- | --- |
| **Administrative and Procedural Control Measures** | Deficiency Noted | **Deficiency Noted** |
| Standard operating procedures are available | **Y N N/A** |  |
| Alignment procedures are available | **Y N N/A** |  |
| Laser operated, maintained and serviced by authorized personnel | **Y N N/A** |  |
| Visitor procedures are available | **Y N N/A** |  |
| Permit holders/workers’ laser safety training completed (general & specific) including certificate and record of training | **Y N N/A** |  |
| Fabricated /modified laser/laser system has been classified | **Y N N/A** |  |
| Proper laser eye protection available | **Y N N/A** |  |
| Proper skin protection available | **Y N N/A** |  |
| Permit holders/workers’ eye examination completed (if required) | **Y N N/A** |  |

|  |  |  |
| --- | --- | --- |
| **Non Beam Hazards** | | **Deficiency Noted** |
| Cryogenic fluids in use | **Y N N/A** |  |
| Compressed gas in use | **Y N N/A** |  |
| Gas cylinders properly restrained | **Y N N/A** |  |
| Laser generated air contaminants (LGAC) | **Y N N/A** |  |
| Electrical hazards | **Y N N/A** |  |
| Fire hazards | **Y N N/A** |  |
| Collateral and plasma radiation hazard | **Y N N/A** |  |
| Noise/vibration hazards | **Y N N/A** |  |
| Proper disposal of chemical wastes | **Y N N/A** |  |
| Tripping hazards | **Y N N/A** |  |

|  |
| --- |
| **Comments and additional information:** |

|  |
| --- |
| **Deficiencies referred to:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Print name Date to be completed** |

**Legend: Y-yes N-no N/A-not applicable**