

Laser Safety Audit/Checklist

Building _____ Room _____ Principal Investigator _____

Audit Performed by _____ Date _____

	Y	N	NA	COMMENTS
A. Administrative				
1. All lasers in lab are included in inventory				
2. Lasers are classified appropriately (3R, 3B, 4)				
3. Standard operating and alignment procedures are available (attach SOPs)				
4. Viewing cards are used for alignment				
5. Authorized laser users attended appropriate training (attach record)				
B. Labeling and Posting (attach pictures)				
1. Certification label present				
2. Class designation and appropriate warning label present				
3. Radiation output information on label				
4. Aperture label present				
5. Appropriate warning/danger sign at entrance to laser area				
6. Warning posted for invisible radiation				
C. Control Measures (attach pictures)				
1. Protective housing present and in good condition				
2. Beam attenuator present				
3. Laser table below eye level				
4. Beam is enclosed as much as possible				
5. Beam not directed toward doors or windows				
6. Beams are terminated with fire-resistant beam stops				
7. Surfaces minimize specular reflections				
8. Controls are located so that the operator is not exposed to beam hazards				

	Y	N	NA	COMMENTS
D. Personal Protective Equipment				
1. Eye protection is appropriate for wavelength and power				
2. Eye protection is available for authorized users.				
3. Warning/indicator lights can be seen through protective filters				
E. Class 3b and 4 Lasers				
1. Interlocks on protective housing are present and functioning				
2. Service access panel present				
3. Limited access to spectators				
4. Nominal hazard zone determined				
5. Authorized users do not wear watches or reflective jewelry while laser is operating				
6. Viewing portals are employed where MPE is exceeded				
F. Class 4 Lasers				
1. Failsafe interlocks at entry to controlled area				
2. Area restricted to authorized users				
3. Laser may be fired remotely				
4. If present, curtains are fire-resistant				
5. Work area designed to allow rapid emergency egress				
6. Pulsed - interlocks designed to prevent firing of the laser by dumping the stored energy into a dummy load				
7. CW - interlocks designed to turn off power supply or interrupt the beam by means of shutters				
G. Non-Beam Hazards				
1. High voltage equipment appropriately grounded				
2. High voltage equipment located away from wet surfaces or water sources				
3. High voltage warning label in place				
4. Compressed gases secured				
5. Ventilation used if Laser Generated Air Contaminants				

