



University of Pittsburgh

Department of Environmental Health and Safety (412) 624-9505 FAX (412) 624-8524

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LASER REGISTRATION FORM

For each Class 3b or 4 laser, please return (1) completed form to :

Laser Safety Officer, Department of Environmental Health and Safety, Public Safety Bldg, 4th Floor, Pittsburgh, PA 15260

LASER LOCATION

Campus Pittsburgh Bradford Greensburg Johnstown Titusville

Building _____ Room _____

Owner/PI Name _____

Department _____

Telephone # _____

E-mail Address _____

LASER DATA

Manufacturer _____

Model Number/Name _____

Classification (1,2,3r,3b,4) _____ Power _____

Type (Nd:YAG, Argon...) _____

Beam Shape Circular Elliptical Rectangular

Wavelength _____ [nm] Beam Divergence _____ [mrad]

Beam Diameter _____ [mm]

Beam Major/Minor Axis _____ [mm]

LASER OUTPUT DATA (check one)

Continuous Wave Output Output power _____ [mW]

Pulsed Pulse energy _____ [J/pulse] Repetition Frequency _____ [Hz]

Q-Switched Pulse energy _____ [J/pulse] Pulse repetition rate _____ [Hz]

Pulse length _____ [sec]

Laser Control Measures (Circle One)

Access/Postings

Yes	No	Posted Entrances
Y	N	Room Security
Y	N	Control Area Established
Y	N	Warning Label on Equipment
Y	N	Laser Class label in place
Y	N	Laser Hazard label in place
Y	N	Laser Aperture label in place

Engineering Controls

Yes	No	Enclosed Beam
Y	N	Protective Housing
Y	N	Protective Housing Interlock
Y	N	Service Panel Interlocks
Y	N	Key/Lock Control
Y	N	Beam Stop/Attenuator
Y	N	Beam Shutter
Y	N	Beam collimators in place
Y	N	Remote view of beam
Y	N	NHZ established
Y	N	Entryway controls
Y	N	Entryway warning lights
Y	N	Emergency shutoff/ panic button
Y	N	Beam power indicator
Y	N	Activation Warning System

Administrative Controls

Y	N	Standard Operating Procedures
Y	N	Emergency Contacts Posted
Y	N	Alignment Procedures
Y	N	Personnel Authorization
Y	N	Eye Protection
Y	N	Skin Protection
Y	N	All users trained

Room Design

Y	N	Windows/Doorways Covered
Y	N	Reflective Materials/surfaces Removed
Y	N	Limited Access to Spectators

Safety Controls

Y	N	Laser Secured to Table or other Work Surface
Y	N	Beam Intensity Reduced Or Filtration in Place
Y	N	Laser at Eye Level
Y	N	Fiber optics used

Non-Beam Hazards

Y	N	Electrical lockout procedures
Y	N	Metallic Fumes
Y	N	Chemical Vapors
Y	N	Biological/cellular Plume
Y	N	Exhaust Ventilation
Y	N	Fire Hazard
Y	N	Explosive Hazard
Y	N	Compressed Gases in Use
Y	N	Laser Dyes in Use
Y	N	Cryogenics in Use