

PURDUE UNIVERSITY Laser Safety

Laser Registration

Laser Type, Location, and Registrant

Stationary Indoor Mobile Indoor Stationary Outdoor Mobile Outdoor

Primary Location (Building): _____ Room: _____

Laser Principal Investigator (LPI): _____

Last Name

First Name

Middle Initial

Department: _____ Email: _____

Purdue Email Address Preferred

Laser System Specifications

Manufacturer: _____ Model: _____

Laser Type: _____ Class: _____ System Date: _____

Serial #: _____ Purdue University Inventory #: _____

Required [SOPs](#) are posted: Yes No

Beam diameter & divergence measured at: 1/e point 1/e² point.

Beam Shape is: Circular Elliptical Rectangular Multiple Array: _____

Beam Diameter₁ (mm): _____ Beam Divergence₁ (mradian): _____

Beam Diameter₂ (mm): _____ Beam Divergence₂ (mradian): _____

Beam Interlocks are: Fail-Safe

Fallible (*Explain how interlock(s) is/are fallible.*)

All service to the laser will be performed by a certified technician from the manufacturer or equivalent (i.e., has training documentation for laser service and electrical safety). Yes No

<input type="checkbox"/> Continuous Wave (CW)	Pulsed: (<input type="checkbox"/> Single <input type="checkbox"/> Multiple)
Wavelength (nm): _____	Wavelength (nm): _____
Maximum Operating Power (W): _____	Maximum Operating Energy (J): _____
Average Operating Power (W): _____	Average Operating Energy (J): _____
	Minimum Pulse Duration (sec.): _____
	Maximum Pulse Frequency (Hz): _____

Check Appropriate Box for Items Below

Yes No

- High voltage used (> 600 volts)
- High voltage supplies are accessible (> 30 kVp)
- Energized parts are placed in safe working condition
- Use of beam focusing optics
- Tunable laser
- Used as a pumping laser
- Exposed beam path
- Laser Generated Air Contaminants (LGACs) produced
- Home-fabricated or self-modified laser

Yes No

- Dye laser
- Use of cryogenics
- Use of compressed gases
- Ionizing radiation hazard
- Magnet hazard
- Plasma hazard
- Robotics used
- High Noise hazard
- Used for machining