

Laser System Standard Operating Procedures (SOP)

INCLUDE DIAGRAM OF LASER SYSTEM LAYOUT (separate sheet)

Laser Information

Date: -----

Laser Type/Class: -----

Wavelength(nm): -----

Beam Diameter mm): -----

Beam Divergence (mrad): -----

Mode (select one)

Continuous Wave?

Avg. Power (Watts): -----

Max. Power (Watts): -----

Pulsed or Q-switched?

Pulse Length (sec): -----

Repetition Rate (Hz): -----

Avg. Joules/pulse: -----

Max. Joules/pulse: -----

Laser Hazard Information

List all hazards for this laser system, such as unenclosed beams, invisible beams, scatter potential, hazardous materials (dyes, solvents), fumes/vapors, electrical hazards, ergonomic concerns:

Hazard

Control

1. -----
2. -----
3. -----
4. -----
5. -----
6. -----
7. -----

Controls

Protective Equipment (include eyewear Mfg/model, wavelength attenuated, Optical Density, storage location)

- 1. -----
- 2. -----
- 3. -----
- 4. -----
- 5. -----

Alignment Procedures (see separate sheet "Alignment Procedures")

General Operation Procedures

- Warning signs posted
- Warning light turned on
- Doors secured
- Target area preparation
- Protective equipment on (correct eyewear)
- Beam stops in place

Operation sequence

-
-
-
-
-
-
-

Shutdown complete

Control key remove

Contacts

Department: -----

Laser Location: -----

Principal Investigator/ phone: ----- email: -----

Primary Laser Operator/phone: ----- email: -----

Laser Safety Officer/phone: ----- email: -----

Maintenance/Repair/phone: -----

Emergency Contact/phone: -----