LASER: Standard Operating Procedure

Principle Investigator:	Date:
Department:	Location:

LASER SAFETY CONTACTS:

Principle Investigator:	Phone:
Laser Safety Officer:	Phone:
Service Contractor:	Phone:
Emergency Contact:	Phone

LASER DESCRIPTION

Type:	Wavelength:		Classification:
Manufacturer:	Model:		Serial #:
Continuous Wave Laser			
Maximum Power:			
Pulsed Laser			
Maximum Energy		Pulse Duration	1:
Pulse Repetition Freq	uency:		

Description of Application:

OPERATING PROCEDURES:

- 1. Laboratory preparation and start-up procedures.
- 2. Target area preparation.
- 3. Normal operating procedures.
- 4. Shut down procedures
- 5. Special operating procedures, including alignment, interlock bypass, maintenance and service.
- 6. Emergency procedures.

CONTROL MEASURES

Y/N/NA	CONTROL	COMMENTS
	Entryway interlocks or controls are	
	present.	
	Protective housing interlocks are	
	present.	
	Enclosure interlocks are present.	
	Emergency stop/panic button is	
	present.	
	Master switch is present.	
	Laser and associated equipment is	
	secured to a base.	
	Beam stops or attenuators are	
	present.	
	Protective barriers are present.	
	Warning signs are posted.	
	Personal protective equipment is	
	available and used.	
	Nominal Hazard Zone is defined.	
	Manufacturer's operating manual is available.	

ADDITIONAL COMMENTS:

HAZARDS AND CONTROLS

Y/N/NA	HAZARD	CONTROL MEASURES
	Unenclosed beam.	
	Potential exposure to direct beam or reflections.	
	Laser positioned at eye level.	
	Reflective materials in beam path.	
	Exposure to ultraviolet or blue light.	
	Hazardous materials are used. Dyes, solvents, etc.	
	Hazardous waste is generated.	
	Laser generated air contaminants are generated.	
	Exposure to high voltage.	
	Compressed gases are used.	
<u></u>	Fire hazards are present.	
	Plasma radiation is generated.	

ADDITIONAL COMMENTS:

PERSONAL PROTECTIVE EQUIPMENT

Laser Eyewear

FOR THIS LASER		WEAR THIS EYEWEAR		
Laser	Wavelength(s)	Wavelength(s)	Optical	Manufacturer
	Nm	Attenuated (nm)	Density	

Other PPE Required

OPERATOR REVIEW

I have read this procedure and understand its contents.

Name	Signature	Date	Global ID