

**POST
SPECIAL PRECAUTIONS
ALIGNMENT AND OPEN BEAM LASER OPERATION**

Account Holder _____

Application/purpose: _____

<i>Description of Beam</i>	Beam Characteristics	Wavelength	Power
	Divergence		
	Aperture Diameter		
	Maximum output		
	Pulse length		
	Pulse repetition rate		
<i>Hazards</i>	Beam		
	Electrical		
	Chemical		

Before Start Up

Supervision approval established.

Laser Safety class

Baseline eye exam

Onsite training indoctrination by Laser Account Holder and onsite laser safety officer

Supervisory and laser personnel responsibilities clearly understood.

Support responsibilities established.

Access Controls

(door interlocks, door locked, signals, verbal warning, laser on light or laser on sign at door)

?? If the laser was inactive since the last survey, contact the Office of Radiation Safety for a startup survey and hazard evaluation.

?? Ensure the Laser On sign is placed on the entrance or that the Laser On light is activated. Ensure the entrance is locked.

Beam Control

?? Ensure all barriers are in place to enclose the beam as much as possible.

?? Ensure that the laser curtain is closed.

?? Ensure all personnel are aware of the startup and not wearing jewelry.

Electrical Controls

?? Ensure that the key is not in the laser until the room is locked. Know the emergency cut off ie panic button.

?? Inspect for wet surfaces anywhere; especially on the light table, floor, and walls.

Eye Protection

?? Put on the correct goggles for the wavelengths, especially for tunable lasers.

Target preparations: (beam stop, enclosures, beam tubes all secure)

Review Initial preparation and emergency actions.

Countdown

?? Ensure all personnel are wearing the appropriate laser goggles.

Emergency Actions

?? In the event of any other emergency, considering safetyturn off the laser and contact your supervisor and the ORS immediately **(PHONE NUMBERS HERE)**.

During Operations

?? Do not change the alignment beyond the **specified** precautions.

?? Do not remove the laser goggles. Do not put any part of the body in the beam.
Don't look in the potential path of a beam. Don't look in the beam.

?? Do not allow non authorized personnel in the laser control area.

After Operations

?? Ensure that the laser is off before taking off the laser goggles or unlocking the door or taking the Laser On sign off the door or turning off the Laser On light.

LASER CONTROL AREA _____.

ON SITE TRAINED PERSONNEL

NAME

_____.

_____.

_____.

_____.

_____.

_____.

LAZER HAZARD ANALYSIS (LAZAN data attached.)

BEAM ALIGNMENT