Laser Beam Specifications & Laser Safety Eyewear

Permit Holder: ___________________________ Permit #: ___________________________
Building: ___________________________ Room #: ________________________________

1. Type of Laser: ___________________________ Class: ___________________________

2. Make: ___________________________ Model: ___________________________ Serial #: ___________________________

3. Wavelength(s) (nm): __________________________________________________________

4. Mode: Continues Wave (CW), Single Pulse or Multiple Pulse
   A. Continues Wave (CW)
      - Power (Watts): ___________________________________________________________
      - Exposure Time (Seconds) (Time Factor in Table 2 of ANSI Z126.1 – 2007 will be used)
   B. Single Pulse
      - Pulse Energy (Joules): __________________________________ Pulse Length (Seconds): ___________________________
   C. Multiple Pulse
      - Pulse Energy (Joules): __________________________________ OR Average Power (Watts) ___________________________
      - Pulse Length (Seconds): __________________________________ OR Pulse Rate (Hertz): ___________________________
      - Pulse Time Envelope (Seconds) (Time Factor in Table 4a of Z126.1 – 2000 will be used)

6. Gaussian Criteria (check one):   $e^{-1}$ (ANSI Z136.1) or   $e^{-2}$ (Manufacturers)

7. Beam Shape: Circular, Square, Elliptical or Rectangular
   A. Circular or Square
      - Major Axis Beam Dimension (Beam Size at Aperture Measured on the “Longest” Dimension) (millimeters): ____________
      - Major Axis Beam Divergence (Beam Divergence Measured on the “Longest” Dimension) (milliradians): ____________
   B. Elliptical or Rectangular
      - Major Axis Beam Dimension (Beam Size at Aperture Measured on the “Longest” Dimension) (millimeters): ____________
      - Major Axis Beam Divergence (Beam Divergence Measured on the “Longest” Dimension) (milliradians): ____________
      - Minor Axis Beam Dimension (Beam Size at Aperture Measured on the “Shortest” Dimension) (millimeters): ____________
      - Minor Axis Beam Divergence (Beam Divergence Measured on the “Shortest” Dimension) (milliradians): ____________

8. List of Optical Density (OD) @ Wavelength on the Laser Safety Eyewear used for this Laser

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 Remarks                                                                                     Please complete the necessary information and send to:
                                                                                           Hoa Ly, Radiation Safety Coordinator, Room 4159, OHS, Support Services Building

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