

**UNIVERSITY OF NEVADA, LAS VEGAS  
RADIOLOGICAL SAFETY OFFICE  
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**Laser Facility Inspection**

Rev. 01/15/10

Surveyor: \_\_\_\_\_ Date of Inspection: \_\_\_\_\_  
 Location of Laser: \_\_\_\_\_ PI: \_\_\_\_\_  
 Contact during survey: \_\_\_\_\_

**1. Laser System(s) information:**

Laser type: \_\_\_\_\_ Laser class: \_\_\_\_\_ Laser make: \_\_\_\_\_  
 Laser model: \_\_\_\_\_ Laser serial: \_\_\_\_\_  
 Wavelength: \_\_\_\_\_ nm Out put power (max/used): \_\_\_\_\_ / \_\_\_\_\_ W or J (indicate one)  
 Output type: CW Pulsed (pulse duration): \_\_\_\_\_ pulse frequency: \_\_\_\_\_ Hz  
 Laser status (indicate one): active, inactive Laser beam (indicate one): enclosed open beam

**2. Laser Warning Label Posting:**

Entry ways and controlled areas: \_\_\_\_\_ Laser system marking: \_\_\_\_\_  
 Laser status indicator outside room: \_\_\_\_\_ Laser aperture: \_\_\_\_\_

**3. Laser Security:**

Room security (lock) : \_\_\_\_\_ Door interlock: \_\_\_\_\_

**4. Laser System Safety Controls:**

Protective housing in place: \_\_\_\_\_ Interlock in housing and functioning: \_\_\_\_\_  
 Beam shutter present: \_\_\_\_\_ Key operation: \_\_\_\_\_  
 Console laser activation indicator: \_\_\_\_\_ Beam power meter: \_\_\_\_\_  
 Emergency shutoff available: \_\_\_\_\_

**5. Engineering Controls:**

Laser secured to table: \_\_\_\_\_ Laser optics secured to prevent stray beam: \_\_\_\_\_  
 Laser beam eye level sitting/standing: \_\_\_\_\_ Beam barriers in place: \_\_\_\_\_  
 Beam stop in place and secured: \_\_\_\_\_ Remote viewing of beam: \_\_\_\_\_  
 Windows in room covered: \_\_\_\_\_ Reflective material in beam path: \_\_\_\_\_  
 Diffuse reflection hazard in beam path: \_\_\_\_\_ Stray beam burn marks: \_\_\_\_\_

**6. Administrative Controls:**

Standard Operating Procedure: \_\_\_\_\_ Alignment procedure: \_\_\_\_\_  
 Proper laser eye protection available: \_\_\_\_\_ Laser user training and education: \_\_\_\_\_  
 Skin protection available: \_\_\_\_\_ Visitor/spectator policy: \_\_\_\_\_  
 Laser safety manual: \_\_\_\_\_ Service personnel policy: \_\_\_\_\_

**7. Non-beam hazards:**

High voltage hazard: \_\_\_\_\_ Toxic laser media in use: \_\_\_\_\_  
 Facility for chemical dye mixing: \_\_\_\_\_ Cryogens in use: \_\_\_\_\_  
 Compressed gas in use: \_\_\_\_\_ X-ray hazard: \_\_\_\_\_  
 Toxic fume hazard: \_\_\_\_\_ Fire hazard: \_\_\_\_\_  
 Explosion hazard: \_\_\_\_\_

**8. Comments:**