

**LASER USE APPLICATION (LUA)**

Date: \_\_\_\_\_

Name of Principal Investigator: \_\_\_\_\_ Department: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

Name of Laboratory Contact: \_\_\_\_\_ Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

Location of Laser (building and room): \_\_\_\_\_ Date of Manufacture: \_\_\_\_\_

Serial Number: \_\_\_\_\_ Type of Lasing Medium / Laser Type: \_\_\_\_\_

**Laser Information**

|  |                           |   |
|--|---------------------------|---|
| Laser Classification Marked on Laser (circle one): | 3B                        | 4 |
| <u>Continuous Wave</u>                             | <u>Pulsed Wave</u>        |   |
| Wavelength(s): _____ (nm)                          | Wavelength(s): _____ (nm) |   |

Max. Op. Power: \_\_\_\_\_ (W) (W) Pulse Duration: \_\_\_\_\_ (sec)

Avg. Op. Power: \_\_\_\_\_ (W) (W) Pulse Frequency: \_\_\_\_\_ (Hz)

Max Op. Energy: \_\_\_\_\_ (J) Avg. Op. Power: \_\_\_\_\_ (J)

Beam Diameter at aperture: \_\_\_\_\_ (mm) Beam Divergence: \_\_\_\_\_ (mrad)

Laser Use (describe briefly):

Check all items that apply:

- |  |   |
|--|---|
| <input type="checkbox"/> Use of Cryogenes            | <input type="checkbox"/> Use of Pumping Laser   |
| <input type="checkbox"/> Use of Compressed Gases     | <input type="checkbox"/> Beam Focusing Optics   |
| <input type="checkbox"/> High Voltage Power Supplies | <input type="checkbox"/> UCB Fabricated Laser   |
| <input type="checkbox"/> High Voltage >30 kVp        | <input type="checkbox"/> UCB Modified Laser     |
| <input type="checkbox"/> Dye Laser                   | <input type="checkbox"/> Freq. Doubling Crystal |
| <input type="checkbox"/> Exposed Beam Paths          | <input type="checkbox"/> Tunable Laser          |
| <input type="checkbox"/> High Noise Levels           | <input type="checkbox"/> Invisible Beam         |
| <input type="checkbox"/> Laser Cutting/Welding       |   |

Changes, questions, comments and/or details:

Attach the appropriate protocol(s) or SOP to this Permit Application along with subsequent annually review documentation and signatures.

Questions? Please call the Radiation Safety Officer at (251) 460-7063.