Fermilab

LASER REGISTRATION FORM

Name _____ Date _____

Fermilab Contact Person _____ Phone Ext. _____

Laser Owner AD Other (enter name) _____

Expected Dates of Operation Start _____ Stop _____

Intended Use(s) of Laser _____

Intended Use Location(s) Of Laser _____

Laser Specifications

Manufacturer _____ Model _____

Serial Number _____ FNAL Number _____ Lasing Medium _____

Manufacturer Hazard Classification ◯ 3b ◯ 4

Wavelength (λ) _____ ◯ nm ◯ µm ◯ mm Specify all wavelengths or range.

Emergent beam characteristics

Diameter (a) _____ ◯ mm ◯ cm If not circular, specify dimensions

Divergence (φ) _____ ◯ mrad ◯ o

For continuous wave (CW) lasers only

Radiant power (Φ) _____ ◯ nW ◯ µW ◯ mW ◯ W ◯ kW

Irradiance (E) _____ ◯ µW/cm2 ◯ mW/cm2 ◯ W/cm2 ◯ kW/cm2 ◯ µW/mm2 ◯ mW/mm2 ◯ W/mm2

For pulse wave (PW) lasers only

Radiant Energy (Q) _____ ◯ µJ ◯ mJ ◯ J ◯ kJ

Radiant energy/pulse (H) _____ ◯ µJ/cm2 ◯ mJ/cm2 ◯ J/cm2 ◯ kJ/cm2 ◯ µJ/mm2 ◯ mJ/mm2 ◯ J/mm2

Single pulse duration (t) _____ ◯ ps ◯ ns ◯ µs ◯ ms ◯ s

Pulse repetition frequency (F) _____ ◯ mHz ◯ Hz ◯ kHz ◯ MHz

For rotating beam lasers only

Rotation rate (S) _____ ◯ rpm ◯ rps

Min eye-axis distance (r_{min}) ◯ cm ◯ in ◯ ft ◯ m

Copies to: LSO @ MS119, Division/Section ES&H Group, Fermilab Contact Person

FOR ES&H SECTION ONLY

Application Hazard Classification 1 Optical Density _____

Rev. January 2012