

### **4123:1-5-27 Lasers.**

See paragraph (D)(5) of rule 4123:1-5-17 of the Administrative Code for eye protection required in laser operations.

#### **(A) Labeling of laser equipment.**

The employer shall furnish equipment provided with labels containing the following minimum information for continuous-wave (CW) lasers:

- (1) Wavelength or wavelength range;
- (2) Emergent beam size;
- (3) Beam divergence;
- (4) Maximum average power output;
- (5) Maximum emergency beam irradiance;
- (6) Manufacturer's name and address;
- (7) Product identification number.

#### **(B) Posting.**

The employer shall post notices in prominent locations in which lasers are being operated. (For examples see appendix to this rule.)

(C) Beam shutters or caps shall be utilized, or the laser turned off, when laser transmission is not actually required. When the laser is left unattended for a substantial period of time, such as during lunch hour, overnight, or at change of shifts, the laser shall be turned off.

#### **(D) Atmospheric conditions.**

The employer shall require the employee to keep away from the source, range, and target of the laser when there is exposure to rain or snow or when there is dust or fog in the air.

Effective: 4/1/99  
Prior Effective Date: 1/1/86

APPENDIX TO RULE 4123: 1-5-27  
EXAMPLE 1

**SAMPLE WARNING SIGN FOR LASER USE.**



**Example 2.**

**SAMPLE WARNING SIGN FOR LASER USE.**

