

HE304

RADIATION SAFETY ACT 1975

RADIATION SAFETY (GENERAL) AMENDMENT REGULATIONS
(No. 5) 1996

Made by His Excellency the Governor in Executive Council.

Citation

1. These regulations may be cited as the *Radiation Safety (General) Amendment Regulations (No. 5) 1996*.

Principal regulations

2. In these regulations the *Radiation Safety (General) Regulations 1983** are referred to as the principal regulations.

[* Reprinted as at 4 April 1995.
For amendments to 19 July 1996 see 1995 Index to Legislation of
Western Australia, Table 4, p. 232 and Gazette 28 June 1996.]

Regulation 3 amended

3. Regulation 3 (1) of the principal regulations is amended —

- (a) by deleting the definition of “class 1 laser”; and
- (b) by inserting in the appropriate alphabetical positions the following definitions —

“

“class 1 laser” means class 1 laser product as defined by Section 3.10 of the laser safety standard;

“class 2 laser” means class 2 laser product as defined by Section 3.11 of the laser safety standard;

“class 3A laser” means class 3A laser product as defined by Section 3.12 of the laser safety standard;

“class 3B laser” means class 3B laser product as defined by Section 3.12 of the laser safety standard;

“class 3B(R) laser” means class 3B (Restricted) laser product as defined by Section 3.73 of the laser safety standard;

"class 4 laser" means class 4 laser product as defined by Section 3.13 of the laser safety standard;

"laser safety standard" means the publication entitled "Laser Safety", being AS 2211/1991, issued by the Standards Association of Australia in September 1991;

Regulation 52 amended

4. Regulation 52 (1) of the principal regulations is amended —

(a) by inserting, in the appropriate alphabetical positions, the following definitions —

"

"average output power" means the total energy imparted during exposure divided by the duration of the exposure;

"regulated class 3B laser" means —

- (a) a class 3B laser with average output power greater than 5 milliwatts; or
- (b) a single pulsed class 3B laser.

and

(b) by deleting the definitions of "class 1 laser", "class 2 laser", "class 3A laser", "class 3B laser", "class 4 laser" and "the Australian Standard".

Regulation 53 repealed

5. Regulation 53 of the principal regulations is repealed.

Regulations 54, 55 and 56 repealed and regulations substituted

6. Regulations 54, 55 and 56 of the principal regulations are repealed and the following regulations are substituted —

"

Regulated class 3B lasers

54. (1) The registrant of any premises in which a regulated class 3B laser is operated or used shall —

- (a) require persons on those premises to follow such approved procedures; and
- (b) give such directions,

as are necessary or desirable for preventing interbeam and intrabeam exposure to radiation of persons on those premises.

(2) A person —

- (a) who is required to follow an approved procedure; or
- (b) to whom a direction is given,

under subregulation (1) shall comply with that requirement or direction, as the case requires.

(3) The registrant of any premises in which a regulated class 3B laser is operated or used shall —

- (a) affix to that laser or to the protective housing of its laser system labels in accordance with the requirements of the laser safety standard; and

- (b) display —
 - (i) while the laser is being operated or used, warning signs in conspicuous locations inside and outside the area in which that operation or use is taking place and on doors giving access to that area; and
 - (ii) a warning sign in a prominent position near the laser,
in accordance with the requirements of the laser safety standard.

(4) The registrant of any premises in which a regulated class 3B laser is operated or used shall ensure that the requirements of Schedule XIII are complied with in relation to that laser.

Class 4 lasers

55. The registrant of any premises in which a class 4 laser is operated or used shall —

- (a) comply with regulation 54 (1), (2) and (3) as if the class 4 laser were a regulated class 3B laser; and
- (b) ensure that the requirements of Schedule XIV are complied with in relation to that laser.

Requirements for enclosed lasers

56. (1) The registrant of any premises in which the totally enclosed laser system of a regulated class 3B laser or a class 4 laser is operated or used shall ensure that —

- (a) the protective housing of that laser system limits the maximum accessible radiation to the maximum permissible exposure level specified in Tables VI, VII and VIII of the laser safety standard;
- (b) control measures applicable to the class of laser concerned are applied when its laser system is in normal operation;
- (c) persons who require access to that laser system for the purpose of servicing or maintaining it comply with the control measures and procedural requirements applicable to the class of laser concerned; and
- (d) the laser or its laser system is provided with safety interlocks complying with Section 4.3 of the laser safety standard for any part of the protective housing the removal or displacement of which allows human access to radiation in excess of the maximum permissible exposure level specified in Tables VI, VII and VIII of the laser safety standard.

(2) The registrant of any premises in which a regulated class 3B laser or a class 4 laser, which is itself enclosed, or the beam path of which is enclosed, by any covers, is operated or used shall, when the laser or its laser system is being operated or used with those covers removed for the purpose of servicing, maintenance, repair, testing or any other like procedure, ensure that —

- (a) the laser is operated or used only within a temporary controlled area —
 - (i) defined by approved non-reflective screens or other means; and

- (ii) provided with all safety measures required for persons working inside and outside it;
- and
- (b) the illuminance level at all working sites is not less than 350 lux.

”.

Schedule VII amended

7. Schedule VII to the principal regulations is amended by inserting after item 2 the following items —

“

- 3. Class 2 lasers.
- 4. Class 3A lasers.
- 5. Class 3B(R) lasers.
- 6. Class 3B lasers, other than single pulsed lasers, with average output power of 5 milliwatts or less.

”.

Schedule XIII amended

8. Schedule XIII to the principal regulations is amended —

- (a) in the heading by inserting after “**IN WHICH**” the following —

“ **REGULATED** ”;

- (b) in item 5 by deleting “keyed master switch which, when the key” and substituting the following —

“

master switch which, when a key, magnetic card, cipher combination or other similar device

”;

- (c) in item 6 by deleting “Australian Standard” and substituting the following —

“ laser safety standard ”;

- (d) in item 9 by deleting “3.5.2 of the Australian Standard” and substituting the following —

“ 10.8 of the laser safety standard ”;

- (e) in item 15 by deleting “3.4 of the Australian Standard” and substituting the following —

“ 10.5 of the laser safety standard ”;

- (f) by deleting item 16 and substituting the following item —

“

16. Persons operating or using the laser system are to undergo eye examinations in accordance with Appendix E to the laser safety standard.

”;

and

- (g) by deleting “class 3B” in each place where it occurs (other than in the heading).

Schedule XIV amended**9. Schedule XIV to the principal regulations is amended —**

- (a) in item 1 by deleting “4.3.2 of the Australian Standard” and substituting the following —

“ 4.3 of the laser safety standard ”;

- (b) by deleting item 2 and substituting the following item —

“
2. The laser or its laser system shall be provided with a master switch which, when a key, magnetic card, cipher combination or other similar device is removed makes it impossible to operate the laser or its laser system.
”;

- (c) in item 5 by deleting “Safety” and substituting the following —

“ Except in medical laser installations, safety ”;

- (d) in item 8 by deleting “The” and substituting the following —

“ In industrial laser installations, the ”;

- (e) by deleting items 12, 13 and 19;

- (f) by deleting item 21 and substituting the following item —

“
21. An alarm system, consisting of lights visible through protective eyewear, shall be used to give warning of the operation or use of the laser.
”;

- (g) in item 22 by deleting “3.4 of the Australian Standard” and substituting the following —

“ 10.5 of the laser safety standard ”;

- (h) by deleting item 24 and substituting the following item —

“
24. Persons operating or using the laser system are to undergo eye examinations in accordance with Appendix E to the laser safety standard.
”;

and

- (i) by deleting “class 4” in each place where it occurs (other than in the heading).

By His Excellency's Command,

J. PRITCHARD, Clerk of the Council.
