



Australian Government

Australian Radiation Protection and Nuclear Safety Agency

Invitation to Make Submissions

NATIONAL DIRECTORY FOR RADIATION PROTECTION

Amendment No. 4, 2008

Solaria

CONSULTATION DRAFT:

17 October 2008

Submissions should be forwarded by **14 November 2008** and addressed to:

Mr Alan Melbourne
Manager, Standards Development and Committee Support Section
ARPANSA
619 Lower Plenty Road
Yallambie VIC 3085
Or by email to: secretariat@arpansa.gov.au
(Electronic submissions are preferred)

All submissions will be held in a register of submissions, and unless marked confidential, may be made public.

NATIONAL DIRECTORY FOR RADIATION PROTECTION

Amendment No. 4, 2008

Solaria

Approved by Radiation Health Committee, ??? 2008

5.4 Adoption of national regulatory elements for control of specified practices

In a case where no Code of Practice or Standard applies to a practice specified in this Section, the provisions applying to that practice must be adopted by Authorities within their regulatory frameworks.

5.4.1 *Solaria*

The Responsible Person in relation to the operation of a solarium used for cosmetic purposes must ensure that:

- (a) No individual under the age of 18 is permitted to be exposed in a **sun-tanning unit** that is under the control of the Responsible Person.
- (b) Any person supervising the operation of a **sun-tanning unit** is trained in the following:
 - (i) The requirements of relevant Australian Standards and their practical implementation;
 - (ii) Determination of skin types and exposure times;
 - (iii) Screening for potentially exposure limiting conditions;
 - (iv) Emergency procedures in case of over-exposure to UV light;
 - (v) Types and wavelength of UV light;
 - (vi) Procedures for sanitizing protective eye wear and tanning equipment.
- (c) An assessment of skin type is conducted by a trained operator for every client before exposure in a **sun-tanning unit**, and that individuals with **skin type 1** are not permitted to be exposed in a **sun-tanning unit**.
- (d) Only a trained operator initiates an **exposure session**.
- (e) All exposure of any client in a **solarium** is subject to **supervision** by a trained operator at all times.
- (f) Prior to the commencement of a course of tanning of one or more **exposure sessions** in a **sun-tanning unit**, a consent form as set out in Table A is handed to the client, and that:
 - (i) The client signs and dates the form;
 - (ii) The client returns the signed and dated form prior to commencement of the first **exposure session** in the establishment;

- (iii) The original signed and dated form is filed in the records of the establishment for a period of not less than 2 years;
- (iv) A copy of the signed and dated form is handed to the client.
- (g) Any **exposure session** does not exceed 0.9 **MED**, and that any repeat **exposure session** takes place no sooner than 48 hours after the previous **exposure session**.
- (h) Protective goggles are worn by every user of a **sun-tanning unit** during any period for which the **sun-tanning unit** is operative.

TABLE A
 CONSENT FORM FOR CLIENTS OF SOLARIA

CLIENT CONSENT FORM

Please read carefully the following information:

1. Exposure to ultraviolet radiation such as from a sun-tanning unit contributes to the skin ageing process and may cause skin cancer.
2. People with fair skin who are unable to tan must not use a sun-tanning unit.
3. Intentional sun-tanning unit exposure should be avoided for 48 hours before and after sunlight or sun-tanning unit exposure.
4. Protective goggles must be worn at all times while undergoing sun-tanning unit exposure. You must not read while the sun-tanning unit is in operation.
5. There is additional risk, and sun-tanning unit exposure is not recommended if-
 - (a) you have ever been treated for solar keratoses or skin cancer; or
 - (b) you have ever suffered from an abnormal reaction, or allergy, to light.
6. There may be further risk if you are pregnant, taking certain medications by mouth or applying medications or certain cosmetics to the skin.

If there is any doubt in your mind in relation to any of the particulars described in Items 2, 5 and 6 above, consult your doctor before undergoing any ultraviolet exposure.

I,, am aged 18 years or over, and have carefully read and fully understand the above information and choose to undergo ultraviolet exposure in this establishment.

Signed:.....Date:

Name of establishment:

Schedule 2 – Categories of Non-ionizing Radiation

(Refer sections 2.3(j) and 2.6(g))

Schedule 2, which was blank in Edition 1 of NDRP, is amended to include the following:

The following non-ionizing radiation apparatus that produce harmful non-ionizing radiation when energised are specified as requiring regulatory control.

- (1) A solarium used for cosmetic purposes;

Glossary

The Glossary is amended to add the following definitions

CIE means Commission Internationale de l’Eclairage

Erythemally Effective Dose means the dose obtained by weighting the spectral distribution of UVR incident on the subject with the erythemal effectiveness of the CIE across the UVR wavelength range (280 to 400 nm) and then integrating to obtain the total dose in J.m^{-2} .

Exposure Session means a session of exposure to UVR in a solarium, and where the total exposure does not exceed 0.9 MED.

MED – Minimum Erythema Dose means the minimum dose of UVR required to produce erythema (sunburn) in the skin. It ranges from 2 SED (200 J.m^{-2}) for skin type 1 to 4.5 SED (450 J.m^{-2}) for skin type 4.

Responsible Person is as defined in the National Directory for Radiation Protection

SED – Standard Erythema Dose means 100 J.m^{-2} of erythemally effective dose. For example, an erythemally effective dose of 200 J.m^{-2} is 2.0 SEDs which is sufficient to cause mild reddening or erythema in people with skin type 1 (fair skin).

Skin type 1 means fair skin, which always burns, never tans and is often accompanied by red hair and freckles.

Solarium means any commercial establishment containing one or more sun-tanning units.

Sun-tanning unit means an electrically powered appliance or installation intended to produce tanning of the human skin by utilizing ultraviolet radiation

Supervision means being on the premises to ensure that all pre-exposure requirements are fulfilled and to ensure that the exposure session is terminated.