



Radiation Control Regulation 2013

under the

Radiation Control Act 1990

Her Excellency the Governor, with the advice of the Executive Council, has made the following Regulation under the *Radiation Control Act 1990*.

ROBYN PARKER, MP
Minister for the Environment

Explanatory note

The object of this Regulation is to remake, with amendments, the provisions of the *Radiation Control Regulation 2003*.

The majority of the significant amendments included in this Regulation are consequential on the enactment of the *Radiation Control Amendment Act 2010* (which, amongst other things, introduces a new licensing scheme for regulated material and requires the preparation of security plans and the implementation of other security measures in certain circumstances). A further significant amendment is the introduction of a complete ban (as announced by the Minister for the Environment on 3 February 2012) on commercial cosmetic tanning services that use certain radiation apparatus. The ban will commence on 31 December 2014.

This Regulation:

- (a) provides for exemptions from radiation management and radiation user licensing requirements, and
- (b) prescribes the activities of consulting radiation experts and radiation security assessors that must not be carried out unless the expert or assessor is accredited, and
- (c) prescribes certain fees for the purposes of the *Radiation Control Act 1990* (*the Act*) and this Regulation, and
- (d) prescribes additional matters that are to be dealt with in security plans, and
- (e) prescribes the security measures that a person responsible for a security enhanced source is required to ensure that the source complies with, and
- (f) imposes a duty to report breaches of security measures, and
- (g) prescribes certain matters in relation to identity checking requirements, and

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- (h) provides for radiation safety in the workplace, including dose limits and requiring the radiation doses received by persons in the course of their employment to be monitored, and
- (i) requires adherence to certain standards where a person is exposed to ionising radiation for scientific or research purposes, and
- (j) imposes requirements relating to the safe disposal and transportation of regulated material, and
- (k) sets out the procedure for dealing with (including reporting and recording) radiation accidents, and
- (l) prohibits commercial cosmetic tanning services (and makes transitional arrangements to continue the existing restrictions on the use of tanning units until the commencement of the prohibition), and
- (m) provides for the appointment of radiation safety officers and committees, and
- (n) requires the reporting of the loss or theft of regulated material and security enhanced sources, and
- (o) requires warning signs to be displayed by the occupier of premises in or on which certain radiation apparatus and radioactive substances are kept, and
- (p) provides for the exercise of certain functions of the Environment Protection Authority and the Chairperson of the Authority under the Act by the Director-General of the Department of Trade and Investment, Regional Infrastructure and Services, and
- (q) declares certain offences to be penalty notice offences and prescribes the penalty for such offences, and
- (r) provides for certain exemptions from compliance with all and certain specified provisions of the Act and this Regulation, and
- (s) prescribes certain matters in relation to the definitions of *radioactive ore*, *radioactive substance* and *security enhanced source*, and
- (t) repeals the *Radiation Control Regulation 2003*, and
- (u) provides for other miscellaneous matters of a minor nature.

This Regulation is made under the *Radiation Control Act 1990*, including sections 14, 39 and 40 (the general regulation-making power) and the sections referred to in this Regulation.

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Clause 1 Radiation Control Regulation 2013

Part 1 Preliminary

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Part 1 Preliminary

1 Name of Regulation

This Regulation is the *Radiation Control Regulation 2013*.

2 Commencement

This Regulation commences on 1 July 2013 and is required to be published on the NSW legislation website.

Note. This Regulation replaces the *Radiation Control Regulation 2003*.

3 Definitions

(1) In this Regulation:

approved means approved for the time being by the Chairperson of the Authority.

category 1 source means a sealed radioactive source (or an aggregation of sealed radioactive sources) that is a category 1 source (determined in accordance with Schedule B to the Code).

category 2 source means a sealed radioactive source (or an aggregation of sealed radioactive sources) that is a category 2 source (determined in accordance with Schedule B to the Code).

category 3 source means a sealed radioactive source (or an aggregation of sealed radioactive sources) that is a category 3 source (determined in accordance with Schedule B to the Code).

effective dose has the same meaning as it has in the 2007 ICRP recommendations.

equivalent dose has the same meaning as it has in the 2007 ICRP recommendations.

laboratory—see subclause (3).

occupationally exposed person means a person who is exposed to ionising or non-ionising radiation directly arising out of, or in the course of, the person's employment.

radiation accident—see clause 37.

the 2007 ICRP recommendations means the document entitled *The 2007 Recommendations of the International Commission on Radiological Protection* and numbered ICRP Publication 103, published by the International Commission on Radiological Protection in March 2007, a copy of which is deposited in the offices of the Authority.

the Act means the *Radiation Control Act 1990*.

the Code means the document entitled *Code of Practice for the Security of Radioactive Sources*, published by the Australian Radiation Protection and Nuclear Safety Agency, as in force from time to time.

threat level means a threat level set by the Australian Government's National Threat Assessment Centre.

- (2) In this Regulation, a reference to a radioactive substance of a particular Group is a reference to a radioactive substance referred to in the corresponding Group in Schedule 1.
- (3) In this Regulation, a reference to a *laboratory* that is classified as a low level laboratory, a medium level laboratory or a high level laboratory is a reference to a laboratory that is a single work area and that is classified as such under Schedule 2.
- (4) Notes included in this Regulation, other than in Schedules 5 and 6, do not form part of this Regulation.

4 Definition of "radioactive ore"

For the purposes of the definition of *radioactive ore* in section 4 (1) of the Act, the prescribed concentrations of uranium and thorium are:

- (a) in the case of an ore that contains uranium but not thorium, 0.02 per cent by weight of uranium, or
- (b) in the case of an ore that contains thorium but not uranium, 0.05 per cent by weight of thorium, or
- (c) in the case of an ore that contains both uranium and thorium, a percentage by weight of uranium and thorium such that the expression:

$$\frac{U}{0.02} + \frac{Th}{0.05}$$

is equal to, or greater than, one.

Where:

U represents the percentage by weight of uranium.

Th represents the percentage by weight of thorium.

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Part 1 Preliminary

5 Definition of “radioactive substance”

For the purposes of the definition of *radioactive substance* in section 4 (1) of the Act:

- (a) the prescribed amount is 100 becquerels per gram, and
- (b) a substance has the prescribed activity if the expression:

$$\frac{A1}{40} + \frac{A2}{400} + \frac{A3}{4000} + \frac{A4}{40000}$$

is equal to, or greater than, one.

Where:

A1 represents the total activity, in kilobecquerels, of the Group 1 radionuclides contained in the substance.

A2 represents the total activity, in kilobecquerels, of the Group 2 radionuclides contained in the substance.

A3 represents the total activity, in kilobecquerels, of the Group 3 radionuclides contained in the substance.

A4 represents the total activity, in kilobecquerels, of the Group 4 radionuclides contained in the substance.

6 Definition of “security enhanced source”

A sealed radioactive source (or an aggregation of sealed radioactive sources) that is a category 1, 2 or 3 source is a *security enhanced source* for the purposes of the Act.

7 Regulation to be read in conjunction with the Work Health and Safety Act 2011

The obligations to ensure health and safety imposed by this Regulation are in addition to and do not derogate from the obligations of a person conducting a business or undertaking under the *Work Health and Safety Act 2011* or the regulations made under that Act.

Part 2 Licensing and accreditation

8 Exemptions from radiation management licensing requirements for certain radioactive substances, ionising radiation apparatus and sealed source devices

A person is exempt from the requirement to hold a radiation management licence in relation to the following types of regulated material:

- (a) radioactive substances specified in Part 2 of Schedule 3,
- (b) ionising radiation apparatus specified in Part 4 of Schedule 3,
- (c) sealed source devices specified in Part 5 of Schedule 3.

9 Exemptions from radiation user licensing requirements for certain radioactive substances and ionising radiation apparatus

A person is exempt from the requirement to hold a radiation user licence in relation to the following types of regulated material:

- (a) radioactive substances specified in Part 1 or 2 of Schedule 3,
- (b) ionising radiation apparatus specified in Part 3 or 4 of Schedule 3.

10 Exemptions from radiation user licensing requirements for certain persons

(1) The following persons are exempt from the requirement to hold a radiation user licence:

- (a) a person who is a medical registrar at a hospital and is training in nuclear medicine, diagnostic radiology, radiation oncology, ophthalmology, dermatology, rheumatology or in a medical discipline that uses fluoroscopy,
- (b) a person who is a student in medical radiation technology and is a trainee technologist in nuclear medicine, diagnostic radiology or radiation oncology,
- (c) a person who is an assistant to an industrial radiographer,
- (d) an undergraduate student in a university or other educational institution who is undertaking course work or research that involves the use of regulated material,
- (e) a postgraduate student in a university or other educational institution who is undertaking research or higher studies that involve the use of regulated material,
- (f) a person who is a registered nurse at a hospital or a medical officer at a hospital and is required to inject radiopharmaceuticals by that hospital (but only if a person who is the holder of a licence

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Part 2 Licensing and accreditation

and who is able to inject the radiopharmaceuticals is not readily available at the hospital).

- (2) This exemption does not have effect with respect to a person unless the person:
- (a) is the subject of an approval under this clause, and
 - (b) is complying with the conditions to which the approval is subject, and
 - (c) is subject to supervision in accordance with this clause.
- (3) A person who holds a radiation user licence may give approvals, for the purposes of this clause, for activities authorised by the radiation user licence, but only if the conditions of the licence so allow.
- (4) An approval must:
- (a) be in writing, and
 - (b) specify the regulated material to which it relates, and
 - (c) set out any conditions to which it is subject, and
 - (d) identify each person, or class of persons, to whom it relates, and
 - (e) identify the person or persons, or class or classes of persons, who are to supervise each person, or class of persons, to whom it relates.
- (5) A person who gives an approval for the purposes of this clause must ensure that a copy of the approval:
- (a) is given to each person to whom it relates, or
 - (b) is conspicuously displayed at each place in which the regulated material to which the approval relates is proposed to be used.
- Maximum penalty: 50 penalty units (in the case of a corporation) and 25 penalty units (in any other case).
- (6) A person who grants an approval must ensure that each person so approved is supervised by a qualified person as follows:
- (a) a person referred to in subclause (1) (a) must be subject to:
 - (i) immediate supervision at all times during the first 6 months of the person's training, and
 - (ii) general supervision after that period,
 - (b) a person referred to in subclause (1) (b) must be subject to:
 - (i) immediate supervision at all times while the person is using the regulated material to which the approval relates during clinical experience in the course of training, and
 - (ii) general supervision at all other times,

- (c) a person referred to in subclause (1) (c) must be subject to immediate supervision at all times,
- (d) a person referred to in subclause (1) (d) must be subject to:
 - (i) immediate supervision at all times while the person is using the regulated material to which the approval relates in any clinical situation, and
 - (ii) general supervision at all other times,
- (e) a person referred in subclause (1) (e) or (f) must be subject to general supervision at all times.

Maximum penalty: 50 penalty units (in the case of a corporation) and 25 penalty units (in any other case).

- (7) In this clause:

general supervision means supervision by a qualified person who oversees the person being supervised and ensures that the person follows safe radiation work practices in relation to the use of regulated material.

immediate supervision means supervision by a qualified person who is present at all times during, and is observing and directing, the use by the person being supervised of regulated material.

qualified person, in relation to supervision for a particular regulated material, means a person who is the holder of a radiation user licence that allows the person to provide supervision with respect to that regulated material.

11 Exemptions from radiation user licensing requirements for dental profession in relation to use of certain radiation apparatus

- (1) A person is exempt from the requirement to hold a radiation user licence in relation to the use, for dental diagnostic purposes, of extra-oral x-ray apparatus used with intra-oral image receptors if the person:
 - (a) is registered under the Health Practitioner Regulation National Law to practise in the dental profession (other than as a student) as a dentist, a dental therapist, a dental hygienist or an oral health therapist, and is registered in the corresponding division of that profession, and
 - (b) meets all applicable requirements of the Code of Practice and Safety Guide for Radiation Protection in Dentistry in relation to the use of the apparatus.

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- (2) A person is exempt from the requirement to hold a radiation user licence in relation to the use, for dental diagnostic purposes, of extra-oral x-ray apparatus used with intra-oral image receptors if the person:
- (a) is registered as a student in the dental profession under the Health Practitioner Regulation National Law, and
 - (b) is subject to:
 - (i) immediate supervision at all times while the person is using the apparatus during clinical experience in the course of training, and
 - (ii) general supervision at all other times.

- (3) In this clause:

Code of Practice and Safety Guide for Radiation Protection in Dentistry means the Code so entitled, published by the Chief Executive Officer of the Australian Radiation Protection and Nuclear Safety Agency, as in force from time to time.

general supervision means supervision by a qualified person who oversees the person being supervised and ensures that the person follows safe radiation work practices in relation to the use of the apparatus in respect of which the supervision is required.

immediate supervision means supervision by a qualified person who is present at all times during, and is observing and directing, the use by the person being supervised of the apparatus in respect of which the supervision is required.

qualified person means a person who satisfies the requirements of subclause (1) (a) and (b).

12 Consulting radiation experts

- (1) For the purposes of section 8 (1) of the Act, the following activities are prescribed as the activities of a consulting radiation expert:
- (a) advising on the design of premises, in relation to radiation safety requirements, on which regulated material is kept or used, for the purpose of certifying compliance with any conditions imposed on a radiation management licence,
 - (b) assessing plans for premises on which regulated material is kept or used, for the purpose of certifying compliance with any conditions imposed on a radiation management licence,
 - (c) assessing any regulated material and the premises at which it is kept or used, for the purpose of certifying compliance with any conditions imposed on a radiation management licence,
 - (d) assessing the integrity of any shielding of premises at which any regulated material is kept or used, for the purpose of certifying

compliance with any conditions imposed on a radiation management licence.

- (2) Authorised officers are exempt from the provisions of section 8 (1) of the Act.

13 Radiation security assessors

For the purposes of section 8 (2) of the Act, the following activities are prescribed as the activities of a radiation security assessor:

- (a) reviewing security plans or amended security plans to assess whether the plans are made or amended in accordance with section 14 of the Act,
- (b) endorsing on security plans that the plan, or plan as amended, satisfies the requirements of section 14 of the Act.

14 Fees

- (1) The fees set out in Schedule 4 for a specified period are prescribed for the purposes of the Act and this Regulation as the fees for that period for the services specified in that Schedule.
- (2) The Authority may waive the whole or such part of the fees as the Authority may in a particular case think appropriate.
- (3) Where a radiation user licence relates to the use of 2 or more categories of regulated material, the applicable fee is the fee for the category that attracts the highest fee amount.
- (4) For the purposes of Schedule 4:
- 2013–2014** means the period commencing on 1 July 2013 and ending on 30 June 2014.
- 2014–2015** means the period commencing on 1 July 2014 and ending on 30 June 2015.
- 2015–2016** means the period commencing on 1 July 2015 and ending on 30 June 2016.
- 2016–2017** means the period commencing on 1 July 2016 and ending on 30 June 2017.
- 2017–2018** means the period commencing on 1 July 2017 and ending on 30 June 2018.

Group A regulated material (for the purposes of determining fees for radiation management licences) means an ionising radiation apparatus used or intended to be used for any veterinary diagnostic or dental diagnostic purpose.

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Group B regulated material (for the purposes of determining fees for radiation management licences) means:

- (a) an ionising radiation apparatus used or intended to be used for any medical diagnostic purpose, or
- (b) an ionising radiation apparatus used or intended to be used for radiotherapy, or
- (c) a sealed source device that contains a source that is a category 4 or 5 source (as determined in accordance with Schedule B to the Code), or
- (d) a sealed radioactive source (or an aggregation of sealed radioactive sources) that:
 - (i) is not contained in a device, and
 - (ii) is a category 4 or 5 source (as determined in accordance with Schedule B to the Code), and
 - (iii) is kept or used within premises, or
- (e) a radioactive substance or substances (not in the form of a sealed radioactive source) kept or used within premises that are a single work area and are classified as low level laboratories or medium level laboratories, or
- (f) a radiation apparatus used for non-medical analytical or educational purposes, or
- (g) a portable x-ray fluorescence XRF radiation apparatus used for analysis, or
- (h) a radiation apparatus used for the detection of concealed items.

Group C regulated material (for the purposes of determining fees for radiation management licences) means:

- (a) a sealed source device that contains a source that is a category 1, 2 or 3 source, or
- (b) a sealed radioactive source (or an aggregation of sealed radioactive sources) that:
 - (i) is not contained in a device, and
 - (ii) that is a category 1 source (as determined in accordance with Schedule B to the Code), and
 - (iii) that has a D-value Activity Level (as determined in accordance with Table B.2 of Schedule B to the Code) of 1000 or less, and
 - (iv) that is kept or used within premises, or

- (c) a sealed radioactive source (or an aggregation of sealed radioactive sources):
 - (i) that is not contained in a device, and
 - (ii) that is a category 2 or 3 source (as determined in accordance with Schedule B to the Code), and
 - (iii) that is kept or used within premises, or
- (d) a radioactive substance or substances, not in the form of a sealed radioactive source, kept or used within premises that are a single work area and that are classified as high level laboratories, or
- (e) a radiation apparatus used for industrial radiography, or
- (f) a portable enclosed industrial radiation apparatus, or
- (g) any other radiation apparatus used for any other purpose that is not otherwise specified in this definition or the definition of ***Group A regulated material***, ***Group B regulated material*** or ***Group D regulated material***.

Group D regulated material (for the purposes of determining fees for radiation management licences) means:

- (a) a cyclotron, or
- (b) a sealed radioactive source (or an aggregation of sealed radioactive sources):
 - (i) that is not contained in a device, and
 - (ii) that is a category 1 source, and
 - (iii) that has a D-value Activity Level (as determined in accordance with Table B.2 of Schedule B to the Code) greater than 1000, and
 - (iv) that is kept or used within premises.

Group 1 regulated material (for the purposes of determining fees for radiation user licences) means:

- (a) a radiation apparatus (except computed tomography apparatus) used for dental diagnostic radiography or veterinary diagnostic radiography,
- (b) a radiation apparatus (except computed tomography apparatus) used for bone mineral analysis for medical diagnostic purposes,
- (c) a radioactive substance used for veterinary purposes,
- (d) a radiation apparatus or radioactive substance used for non-medical analytical or educational purposes,
- (e) a portable x-ray fluorescence (XRF) radiation apparatus used for analysis,

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Part 2 Licensing and accreditation

- (f) a radioactive substance used in a portable x-ray fluorescence (XRF) analyser,
- (g) a radiation apparatus or radioactive substance used for auditing or storage,
- (h) a radiation apparatus used for detection of concealed items,
- (i) a radioactive substance used for packaging for transport.

Group 2 regulated material (for the purposes of determining fees for radiation user licences) means:

- (a) a radiation apparatus or radioactive substance used for quality assurance purposes,
- (b) a radiation apparatus used for industrial fluoroscopy,
- (c) a portable enclosed industrial radiation apparatus,
- (d) a radioactive substance used for industrial gauging, maintaining a radioactive substances store or moisture and density determination,
- (e) a computed tomography apparatus used for dental diagnostic purposes,
- (f) a radiation apparatus or radioactive substance used for scientific or research purposes,
- (g) a radioactive substance used for tracer studies (except studies on humans).

Group 3 regulated material (for the purposes of determining fees for radiation user licences) means:

- (a) a radiation apparatus used for radiation oncology, diagnostic radiology, radiation therapy, medical diagnostic radiography, dermatology, nuclear medicine technology, chiropractic radiography, medical fluoroscopy, radiation oncology physics or production of radionuclides,
- (b) a radioactive substance used for radiation oncology, nuclear medicine, radiation therapy, nuclear medicine technology, radiation oncology, ophthalmology, in-vitro medical diagnosis or radiopharmacy,
- (c) a radiation apparatus used for industrial radiography, borehole logging or installing or servicing radiation apparatus,
- (d) a radioactive substance used for industrial radiography, borehole logging, or installing or servicing devices containing a radioactive substance,
- (e) a radioactive apparatus or substance used for any other purpose not otherwise specified in this definition or the definition of Group 1 regulated material or Group 2 regulated material.

Part 3 Security of radioactive sources

Division 1 Security plans

15 Security plans generally: additional matters and review

- (1) A security plan must deal with the following matters in addition to those specified in the Act:
 - (a) how it has been determined that the sealed radioactive source is a security enhanced source for the purposes of the Act,
 - (b) how the plan has been developed, with particular regard to:
 - (i) a description of the source, the nature of any dealings with the source, the environment in which those dealings occur and existing security measures, and
 - (ii) identification of any credible threats to the source in relation to any such dealings and the likelihood and consequence of the threats eventuating, and
 - (iii) an assessment of the effectiveness of existing security measures in achieving compliance with the prescribed security measures for the source (having regard to any credible threats to the source), and
 - (iv) identification of any further action required to achieve compliance with the prescribed security measures for the source,
 - (c) how compliance with the prescribed security measures for the source is to be (or is being) achieved,
 - (d) a description of the source (or the source being transported in the case of a source transport security plan) including, but not limited to:
 - (i) the isotope, and
 - (ii) the activity and the date of measurement of that activity, and
 - (iii) the serial number, and
 - (iv) the physical and chemical form,
 - (e) a description of the allocation of responsibilities for security to persons (including how those persons are competent, qualified and authorised to carry out their responsibilities),
 - (f) a description of any specific risks to the security of the source (such as, for example, theft, sabotage or mechanical or electronic failure of a physical security measure),

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- (g) a description of the physical security measures (being tangible barriers intended to deter and delay unauthorised access to a radioactive source) that will be used to ensure compliance with the prescribed security measures for the source,
 - (h) arrangements for review and revision of the plan, including the time between reviews.
- (2) Each person responsible for a security enhanced source must ensure that the time period between reviews of a security plan in respect of the source is no more than 12 months.

16 Source security plans: additional matters

- (1) A source security plan must deal with the following matters in addition to those specified in the Act:
- (a) a description of the radiation practice for which the security enhanced source is used,
 - (b) the category of the source (as determined in accordance with Schedule B to the Code),
 - (c) the specific location of the source in the building or facility where it is used or stored,
 - (d) a plan of the building or facility in which the source is used or stored,
 - (e) a description of any surveillance or monitoring measures implemented to ensure compliance with the prescribed security measures for the sources (such as, for example, CCTV, personal surveillance or security patrols),
 - (f) a description of the administrative and procedural measures that are to be used to ensure compliance with the prescribed security measures for the source, including (but not limited to):
 - (i) access controls (including key controls), and
 - (ii) any identification and security checking carried out in accordance with the Act, and
 - (iii) inventories and records related to the management of sources, and
 - (iv) information security, and
 - (v) procedures to be followed before, during and after a technical service, and
 - (vi) contingency and security response arrangements, including notification of security breaches, and
 - (vii) security education and awareness, and

(viii) the action to be taken in the event of a change in the threat level.

(2) In this clause, *radiation practice* means practice within the meaning of the *National Directory for Radiation Protection*, published by the Australian Radiation Protection and Nuclear Safety Agency, as in force from time to time.

17 Source transport security plans: additional matters

- (1) A source transport security plan must also deal with the following matters in addition to those specified in the Act:
- (a) the purposes or reasons for which the source is being transported,
 - (b) a description of the conveyance in which the source will be transported and the arrangements for securing the shipment during transfer between different conveyances or during other stops en route,
 - (c) the name, address and business and after hours contact details for the consignor, consignee, carrier and, where used, guard or police services,
 - (d) a description of the administrative and procedural security measures that are to be used to meet the security outcomes relevant to the source as prescribed by this Regulation, including (but not limited to):
 - (i) contact details for local police and the Authority and arrangements for notifying local police or the Authority, or both, depending on the issue,
 - (ii) contingency and emergency procedures for vehicle accidents or breakdown (including, for category 1 sources, a planned principal route and an alternative route),
 - (iii) security response arrangements, including notification of any security breach to local emergency services (police, fire and ambulance) and the Authority as appropriate,
 - (iv) security briefings for persons involved in transporting the source, including the nature of any threats, the threat level and contingency and security response arrangements,
 - (v) any identification and security checking carried out in accordance with the Act,
 - (vi) information security,
 - (vii) the means of communication between persons involved in transporting the source,
 - (viii) actions to be taken in the event of a change in the threat level.

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Part 3 Security of radioactive sources

- (2) For the purposes of section 14 (6) (b) of the Act, a person responsible for a security enhanced source must ensure that any source transport security plan in respect of the source is provided to the Authority:
- (a) in the case of a category 1 source—at least 7 days prior to transportation of the source, and
 - (b) in the case of a category 2 or 3 source—at least 7 days prior to transportation of the source or, if the source is to be transported on a regular basis (in the opinion of the Authority), at least 7 days prior to the first transportation of the source.

18 Amendments to security plans that do not require review

The following amendments to a security plan are prescribed as amendments to which section 14 (4) of the Act does not apply:

- (a) a change in the security enhanced source arising from the replacement of the source (except where the new source belongs to a higher category),
- (b) minor changes and upgrades to any computer hardware or software identified in the plan,
- (c) changes to contact details for any persons in relation to security responsibilities,
- (d) the addition or omission of details of identification checks and security background checks of personnel,
- (e) in relation to a source transport security plan—changes to the date of travel and any planned principal or alternative route.

Division 2 Security measures

19 Definitions

In this Division:

fixed security enhanced source means a radioactive source located in a device or container that, in the normal course of its use, is permanently secured to a structure and intended to be immobile.

mobile security enhanced source means a radioactive source located in a device or container that, in its normal course of use, is intended to be capable of being moved in a limited way from place to place (such as a large machine on wheels designed to be able to be repositioned by a person within a room in a facility).

20 Security measures for category 1 security enhanced sources

For the purposes of section 14A (1) of the Act, the following security protection measures are prescribed in relation to category 1 sources:

- (a) where the security enhanced source is in use or being stored or transported—the source must be protected by, at a minimum, physical security measures capable of providing sufficient delay to allow immediate detection and assessment of an intrusion and interruption of any unauthorised removal of the source by a guard or police officer,
- (b) in all cases—the appropriate security action determined in accordance with Schedule D to the Code.

21 Security measures for category 2 security enhanced sources

For the purposes of section 14A (1) of the Act, the following security protection measures are prescribed in relation to category 2 sources:

- (a) where a fixed or mobile security enhanced source is in use—the source must be protected by, at a minimum, physical security measures capable of providing sufficient delay to allow immediate detection and assessment of unauthorised access to the source,
- (b) where a security enhanced source is being stored—the source must be protected by, at a minimum, physical security measures capable of providing sufficient delay to allow immediate detection and assessment of unauthorised access to the source location,
- (c) where a security enhanced source is being transported—the source must be protected by, at a minimum, physical security measures capable of providing sufficient delay to allow immediate detection and assessment of unauthorised access to the source,
- (d) in all cases—the appropriate security action determined in accordance with Schedule D to the Code.

22 Security measures for category 3 security enhanced sources

(1) For the purposes of section 14A (1) of the Act, the following security protection measures are prescribed in relation to category 3 sources:

- (a) where a fixed or mobile security enhanced source is in use—the source must be protected by, at a minimum, physical security measures capable of preventing unauthorised access to the source by human force,
- (b) where the security enhanced source is being stored or transported—the source must be protected by, at a minimum,

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physical security measures capable of preventing unauthorised access to the source by human force,

- (c) in all cases—the appropriate security action determined in accordance with Schedule D to the Code.
- (2) In this clause, *human force* means any force that can be exerted by a natural person, including by using tools (except power tools).

23 Duty to report breach of a security measure

- (1) A person responsible for a security enhanced source must provide a written report of any incident involving a breach of a security measure (in relation to the source) to the Authority within 7 days of the incident. Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).
- (2) The report must include details of the circumstances of the breach and the steps taken to rectify the breach.
- (3) A report does not have to be made if a report has been given in accordance with any other provision of this Regulation.
- (4) A report does not have to be made by a person if a report has already been made by another person responsible for the source.

Division 3 Identity checking

24 Prescribed security enhanced sources for identity checking

All security enhanced sources are prescribed for the purposes of section 14B (1) of the Act.

25 Identity checking

- (1) An identity check must be carried out in accordance with the document entitled *Requirements for identity checks*, published by the Authority, as in force from time to time, a copy of which may be obtained from the Authority.
- (2) The following persons are prescribed for the purposes of section 14B (1) (b) of the Act:
 - (a) a person nominated under Part 2A of the Act as being responsible for implementing a security plan in respect of a security enhanced source,
 - (b) a person who transports the source.

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Division 1 Radiation safety in the workplace

26 Duty to comply with dose limits

- (1) An employer must ensure that each occupationally exposed person in the employ of the employer is not exposed to ionising radiation that exceeds the dose limits for occupationally exposed persons set out in Schedule 5.

Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).

- (2) An employer must ensure that each person in his or her employ who is under the age of 16 years is not exposed to ionising radiation in the course of the person's employment.

Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).

27 Duty to inform occupationally exposed persons

A person responsible for regulated material in a workplace must ensure that each occupationally exposed person in the workplace is made aware of, and kept informed of any changes in, the following particulars in relation to that regulated material:

- (a) the hazards that can arise in connection with the use of the regulated material,
- (b) the safety arrangements that exist to protect persons from such hazards and of the steps that the person must take in order to minimise the likelihood that such a hazard will arise,
- (c) the name of the radiation safety officer or other person to whom the person should refer to in connection with any matters relating to the use of the regulated material.

Maximum penalty: 100 penalty units (in the case of a corporation) and 50 penalty units (in any other case).

28 Radiation management plan

- (1) The Chairperson of the Authority may, by notice in writing served on an employer, direct the employer:

- (a) to prepare or adopt a radiation management plan, and
- (b) to submit a copy of the plan to the Authority for approval, within such time as is specified in the direction.

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- (2) An employer must not fail to comply with such a direction.
Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).
- (3) An employer whose radiation management plan has been approved by the Authority:
- (a) must ensure that a copy of the plan is available to all occupationally exposed persons employed by the employer, and
 - (b) must take all reasonable steps to ensure that the procedures set out in the plan with respect to the use of radioactive substances and radiation apparatus are followed by all persons in the employ of the employer.
- Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).
- (4) A radiation management plan is not to be approved by the Authority unless it conforms to the document entitled *Radiation Guideline 2: Preparation of radiation safety manuals*, published by the Authority, as in force from time to time, a copy of which may be obtained from the Authority.

Division 2 Radiation monitoring

29 Personal monitoring devices

- (1) An employer must provide all occupationally exposed persons in the employ of the employer who are involved in the use of ionising radiation for any one or more of the following purposes with appropriate approved personal monitoring devices for detecting and measuring cumulative exposure to ionising radiation:
- (a) radiotherapy,
 - (b) industrial radiography,
 - (c) nuclear medicine,
 - (d) equine veterinary radiography,
 - (e) scientific research in laboratories classified as medium level laboratories or high level laboratories where radioactive substances that are not contained in sealed source devices are used,
 - (f) diagnostic or interventional radiology (other than dentistry, veterinary and chiropractic applications),
 - (g) neutron based detection, analysis and gauging (but only when used in bore-hole logging),

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- (h) servicing of ionising radiation apparatus or devices containing radioactive substances.

Maximum penalty: 250 penalty units (in the case of a corporation) and 125 penalty units (in any other case).

- (2) An occupationally exposed person to whom an approved monitoring device has been provided in accordance with this clause must wear the device while involved in the use of ionising radiation in the course of the person's employment.

Maximum penalty: 50 penalty units.

- (3) The Chairperson of the Authority may impose conditions on the approval of a personal monitoring device referred to in this clause.

30 Personal radiation exposure record

- (1) An employer must ensure that, for each occupationally exposed person to whom a personal monitoring device is issued, a record is kept, in accordance with this clause and on an appropriate periodic basis:

- (a) of the amount of radiation to which the person has been exposed, as measured by the device, and
- (b) of the results of any tests carried out or caused to be carried out by the employer in relation to the person for the purpose of determining the amount of radiation to which the person has been exposed.

Maximum penalty: 100 penalty units (in the case of a corporation) and 50 penalty units (in any other case).

- (2) Such a record must contain the following particulars:

- (a) the full name, sex and date of birth of the occupationally exposed person,
- (b) the current home address of the occupationally exposed person or, if the person is no longer employed by the employer, the person's last known home address,
- (c) the date of commencement of employment (and, if applicable, the date of cessation of employment) as an occupationally exposed person,
- (d) the kind of work performed by the occupationally exposed person,
- (e) details of the types of ionising radiation to which the occupationally exposed person may have been exposed in the course of employment with the employer, including information about radioactive substances in unsealed form (if any) to which the occupationally exposed person may have been exposed,

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- (f) details of any radiation accidents in which the person has been involved or by which the person may have been affected,
 - (g) details of the personal monitoring device worn by the occupationally exposed person,
 - (h) the results of monitoring the levels of radiation exposure of the occupationally exposed person.
- (3) When an employee leaves an employer's employment, the employer:
- (a) must cause a copy of the radiation exposure records relating to the employee to be given to the employee, and
 - (b) if the employee is taking up employment as an occupationally exposed person with another employer and if the employee requests, must cause a further copy of those records to be given to the other employer.

Maximum penalty: 100 penalty units (in the case of a corporation) and 50 penalty units (in any other case).

- (4) An employer must ensure that a warning in the following terms accompanies a copy of the radiation exposure records given to an employee by the employer in accordance with subclause (3):

THESE RECORDS SHOULD BE KEPT SAFELY AND PERMANENTLY AND BE GIVEN TO ANY FUTURE EMPLOYER EMPLOYING YOU AS A RADIATION WORKER.

Maximum penalty: 100 penalty units (in the case of a corporation) and 50 penalty units (in any other case).

- (5) An employer by whom records are required to be kept must ensure that the records are available for inspection by the person to whom they relate at reasonable times during normal working hours.

Maximum penalty: 100 penalty units (in the case of a corporation) and 50 penalty units (in any other case).

31 Area monitoring devices

- (1) The Chairperson of the Authority may, by notice in writing served on an employer, direct the employer to take specified action with respect to the monitoring of radiation on specified premises.
- (2) In particular, such a direction may require the employer to ensure that specified premises are equipped with approved monitoring devices for the purpose of monitoring the presence and level of radiation on the premises.
- (3) The Chairperson of the Authority may impose conditions on the approval of a monitoring device referred to in this clause.

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- (4) An employer must not contravene a direction in force under this clause.
Maximum penalty: 100 penalty units (in the case of a corporation) and 50 penalty units (in any other case).
- (5) An employer must ensure that, for each monitoring device with which premises are equipped for the purposes of this clause, a record is kept of the following particulars:
- (a) the date on which the device was acquired,
 - (b) the date of each occasion on which the device was repaired and the details of the repairs,
 - (c) the date on which the device was last calibrated.
- Maximum penalty: 100 penalty units (in the case of a corporation) and 50 penalty units (in any other case).

32 Maintenance of monitoring devices

An employer must ensure that all monitoring devices that are issued or installed by the employer in accordance with the requirements of this Division are checked, maintained and calibrated in accordance with the document entitled *Radiation Guideline 1: Monitoring devices*, as in force from time to time, a copy of which may be obtained from the Authority.

Maximum penalty: 200 penalty units (in the case of a corporation) and 100 penalty units (in any other case).

Division 3 Voluntary exposure to radiation for scientific or research purposes

33 Voluntary exposure to radiation for scientific or research purposes

A person must not expose any other person to ionising radiation for scientific or research purposes except in accordance with the document entitled *Code of Practice for the Exposure of Humans to Ionizing Radiation for Research Purposes*, published by the Australian Radiation Protection and Nuclear Safety Agency, as in force from time to time.

Maximum penalty: 200 penalty units (in the case of a corporation) and 100 penalty units (in any other case).

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Division 4 Disposal and transport of radioactive substances and radiation apparatus

34 Disposal of regulated material

- (1) A person must not dispose of any regulated material except with the consent of, and in accordance with any conditions imposed by, the Chairperson of the Authority.
Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).
- (2) A person must not dispose of any radiation apparatus unless the apparatus has been rendered permanently inoperable.
Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).
- (3) The consent of the Chairperson of the Authority may be given generally or in a particular case and may be subject to such conditions as the Chairperson thinks fit to impose.

35 Records to be kept of disposal of regulated material

- (1) A person who disposes of regulated material must maintain a record, in accordance with this clause, of the disposal.
Maximum penalty: 200 penalty units (in the case of a corporation) and 100 penalty units (in any other case).
- (2) The record must include all of the following information that is relevant to the regulated material concerned:
 - (a) the type of regulated material disposed of,
 - (b) an estimate of the total activity of the regulated material disposed of,
 - (c) the manner in which the regulated material was disposed of,
 - (d) the date on which the regulated material was disposed of.

36 Transport of radioactive substances

A person must not cause any radioactive substance to be transported otherwise than in accordance with the requirements of the document published by the Australian Radiation Protection and Nuclear Safety Agency entitled *Code of Practice for the Safe Transport of Radioactive Material*, as in force from time to time.

Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).

Division 5 Radiation accidents**37 Certain occurrences are taken to be radiation accidents**

- (1) For the purposes of this Regulation, a *radiation accident* is to be treated as having occurred if there is an occurrence that involves the unplanned or unexpected emission of radiation (including spillage or leakage of a radioactive substance or damage to radiation apparatus) and that is of such a nature or extent that it is likely:
- (a) that one or more persons have, or could have, received an effective dose of radiation equal to or in excess of:
 - (i) 5 millisieverts, in the case of an occupationally exposed person, or
 - (ii) 1 millisievert, in any other case, or
 - (b) that the premises or the environment may have become contaminated within the meaning of section 21 of the Act.
- (2) For the purposes of this Regulation, a *radiation accident* is to be treated as having occurred if there is an occurrence that involves the misuse of radiation apparatus or maladministration of a radioactive substance used for medical purposes and that involves any of the following:
- (a) the administration of a radioactive substance for diagnostic purposes in a quantity of more than 50 per cent more than that prescribed,
 - (b) the administration of a radioactive substance for therapeutic purposes at an activity differing by more than 15 per cent from that prescribed,
 - (c) the administration of a therapeutic dose of radiation from radiation apparatus or a sealed source device which differs from the total prescribed treatment dose by more than 10 per cent,
 - (d) the administration of a dose of radiation for diagnostic and interventional purposes from a radiation apparatus that results in one or more persons receiving an effective dose of radiation equal to or in excess of 1 millisievert,
 - (e) the unintended administration of radiation as a result of a malfunction of radiation apparatus,
 - (f) the administration of a radiation dose to the wrong patient or to the wrong part of a patient's body,
 - (g) the administration of a radiopharmaceutical otherwise than as prescribed.

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Part 4 Radiation safety and public health

38 Duty to report and investigate apparent radiation accidents

(1) A person responsible for regulated material must give written notice to the Chairperson of the Authority of the following in relation to the regulated material:

- (a) the particulars specified in subclause (2) (a)–(d) within 48 hours of becoming aware of an apparent radiation accident (or immediately if the accident is of such a nature or extent that it is likely that the premises or the environment may have become contaminated within the meaning of section 21 of the Act), and
- (b) the particulars specified in subclause (2) (e) within 10 days of becoming aware of an apparent radiation accident.

Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).

(2) The notice must contain the following particulars:

- (a) particulars of the accident indicating, as far as is possible, the place where it occurred and the period during which emission of radiation was uncontrolled,
- (b) particulars of the area over which any radioactive substances may have been dispersed,
- (c) particulars of any steps taken to rectify the accident,
- (d) particulars of any personal injury or exposure that may have resulted,
- (e) particulars of any assessment of the radiation dose to which any person may have been exposed as a result of the accident,
- (f) particulars of any steps taken to reduce the risk of a similar accident occurring in the future.

(3) Notice does not have to be given by a person if notice has already been given by another person responsible for the material.

39 Record of accidents

(1) A person responsible for regulated material must maintain a record, in accordance with this clause, of all radiation accidents in relation to that regulated material.

Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).

(2) Such a record must, for each radiation accident that is reported to the responsible person, contain the following particulars:

- (a) particulars of the accident indicating, as far as is possible, the place where it occurred and the period during which emission of radiation was uncontrolled,

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- (b) the name of any occupationally exposed person or other person who was there during that period,
 - (c) an estimate of the radiation dose to which any person may have been exposed,
 - (d) details and results of any medical examinations undertaken as a result of the accident,
 - (e) particulars of the area over which any radioactive substances may have been dispersed,
 - (f) particulars of any steps taken to rectify the accident,
 - (g) the time at which the accident was reported to the employer,
 - (h) the probable cause of the accident,
 - (i) particulars of any investigations conducted into the accident, together with the results of the investigations,
 - (j) particulars of any steps taken to reduce the risk of a similar accident occurring in the future.
- (3) A record does not have to be maintained by a person if the record is already maintained by another person responsible for the material.

40 Faults or defects

- (1) A person responsible for regulated material, on becoming aware that a fault may exist in any radiation apparatus that is regulated material for which that person is responsible:
- (a) must immediately investigate the apparent fault and, if necessary, cause the apparatus to be removed, replaced or repaired, and
 - (b) must, as soon as practicable (but, in any case, within 7 days), inform all persons who may have been exposed to radiation in quantities in excess of those that would normally be received from the apparatus in faultless condition that they may have been so exposed.

Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).

- (2) A person responsible for regulated material, on becoming aware that a fault or defect may exist in any sealed source device that is regulated material for which that person is responsible:
- (a) must immediately investigate the apparent fault or defect and, if necessary, cause the sealed source device to be removed, replaced or repaired, and
 - (b) must, as soon as practicable (but, in any case, within 7 days), inform all persons who may have been exposed to radiation in quantities in excess of those that would normally be received

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from the sealed source device in faultless condition that they may have been so exposed.

Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).

- (3) A person is not required to comply with a requirement of this clause if another person responsible for the material has complied with the requirement.

Division 6 Prohibitions to protect public health

41 Prohibition on commercial cosmetic tanning services

- (1) A person must not provide, or offer to provide, another person with a cosmetic tanning service for fee or reward or in connection with another service that is provided for fee or reward.

Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).

- (2) In this clause:

cosmetic tanning service means the tanning of human skin, for purposes other than medical purposes, through the use of any radiation apparatus that emits ultraviolet radiation.

ultraviolet radiation means radiation for which the wavelengths are within the range of 100 to 400 nanometres.

- (3) This clause does not take effect until 31 December 2014.

Note. Schedule 8 contains transitional provisions relating to the operation of commercial cosmetic tanning services until 31 December 2014.

42 Duty to protect public from exposure to radiation

A person responsible for regulated material must ensure that a member of the public is not exposed to ionising radiation from that regulated material that exceeds the dose limits for members of the public (other than patients) set out in Schedule 5.

Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).

Division 7 Miscellaneous

43 Appointment of radiation safety officers and committees

- (1) The Chairperson of the Authority may, by notice in writing served on an employer:
- (a) direct the employer to appoint a radiation safety officer or a radiation safety committee, or both, for a workplace, and

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- (b) in the case of a direction to appoint a radiation safety officer, determine the qualifications to be held by a person so appointed, and
 - (c) direct what functions are to be exercised by a radiation safety officer or radiation safety committee so appointed.
- (2) An employer:
- (a) must not fail to appoint a radiation safety officer or a radiation safety committee, or both, in accordance with a direction under this clause, and
 - (b) must not allow the functions of the radiation safety officer or radiation safety committee to be exercised otherwise than by the officer or the committee, as the case requires.
- Maximum penalty: 200 penalty units (in the case of a corporation) and 100 penalty units (in any other case).

44 Loss or theft of regulated material

- (1) If any regulated material (except a security enhanced source), is lost or stolen:
- (a) the person who is the owner of the regulated material, and
 - (b) any other person who is the person responsible for the regulated material or is licensed and employed to use, or supervise the use of, the material,
- must cause notice of the loss or theft to be given to the Chairperson of the Authority immediately after the person becomes aware of the loss or theft.
- Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).
- (2) Notice does not have to be given by any one of those persons if notice has already been given by any other of those persons.

45 Loss or theft of security enhanced source

- (1) If there is a breach of a prescribed security measure that results in a security enhanced source being lost, stolen, intentionally damaged or accessed without authority, a person responsible for the security enhanced source must:
- (a) immediately notify the Authority and the NSW Police Force of the incident, and
 - (b) within 7 days of the notice, submit a report of the incident to the Authority that contains the following information:
 - (i) circumstances of the loss, theft, damage or access,

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- (ii) steps taken to rectify the loss, theft, damage or access,
- (iii) if any regulated material is lost or stolen—any information that may assist in the recovery of the material.

Maximum penalty: 400 penalty units (in the case of a corporation) and 200 penalty units (in any other case).

- (2) Notice does not have to be given by a person if notice has already been given by another person responsible for the source.
- (3) A report does not have to be submitted by a person if a report has already been submitted by another person responsible for the source.

46 Warning signs

The occupier of any premises in or on which any regulated material, not specified in Part 5 of Schedule 3, is kept must ensure that a warning sign in or to the effect of the form set out in Schedule 6 (with colouring as indicated in the note to that Schedule) is conspicuously displayed in the immediate vicinity of the regulated material.

Maximum penalty: 100 penalty units (in the case of a corporation) and 50 penalty units (in any other case).

Part 5 Miscellaneous

47 Exercise of certain functions by the Director-General of the Department of Trade and Investment, Regional Infrastructure and Services

- (1) For the purposes of section 5A (2) of the Act, the following functions of the Authority and of the Chairperson of the Authority are prescribed:
 - (a) the functions specified in sections 187 (1), 189 (1), 191 (1), 210 and 212A of the *Protection of the Environment Operations Act 1997* (as extended to the exercise of powers in connection with the *Radiation Control Act 1990* and this Regulation by section 15 of the *Radiation Control Act 1990*),
 - (b) the functions specified in sections 18, 19, 21, 24A, 25 (2) and (4), 26 (2), 27, 28, 36 and 38A of the Act,
 - (c) the functions specified in clauses 28, 31 (1), 38, 43, 44 and 50 of this Regulation.
- (2) The power to exercise functions in accordance with this clause is limited to the exercise of such functions in respect of radioactive ore that is located:
 - (a) at any place to which the *Coal Mine Health and Safety Act 2002* applies, or
 - (b) at any place to which the *Mine Health and Safety Act 2004* applies, or
 - (c) at any place where activities that are regulated under the *Petroleum (Offshore) Act 1982* are carried out, or
 - (d) at any place where activities that are regulated under the *Petroleum (Onshore) Act 1991* are carried out.
- (3) A person appointed as an authorised officer by the Director-General of the Department of Trade and Investment, Regional Infrastructure and Services (when exercising functions in accordance with this clause) may only exercise the functions of an authorised officer in respect of radioactive ore that is located:
 - (a) at any place to which the *Coal Mine Health and Safety Act 2002* applies, or
 - (b) at any place to which the *Mine Health and Safety Act 2004* applies, or
 - (c) at any place where activities that are regulated under the *Petroleum (Offshore) Act 1982* are carried out, or
 - (d) at any place where activities that are regulated under the *Petroleum (Onshore) Act 1991* are carried out.

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- (4) A person appointed as an authorised officer by the Director-General of the Department of Trade and Investment, Regional Infrastructure and Services (when exercising functions in accordance with this clause) may not exercise the functions of an authorised officer in respect of any offence except:
 - (a) an offence under section 18, 19 or 36B of the Act, or
 - (b) an offence under clause 26, 27, 28, 30, 31, 32, 35, 36, 38, 39, 42, 43, 44 or 50 of this Regulation.
- (5) The power to exercise the functions specified in sections 24A and 25 of the Act is limited to the exercise of those functions in respect of:
 - (a) an offence under section 18, 19 or 36B of the Act, or
 - (b) an offence under clause 26, 27, 28, 30, 31, 32, 35, 36, 38, 39, 42, 43, 44 or 50 of this Regulation.

48 Actions by incorrect public body

- (1) This clause applies to the Authority and any other public body that is authorised to exercise any functions of the Authority or the Chairperson of the Authority under the Act, but only in relation to the exercise of a function by the Authority or public body where it is not the appropriate public body.
- (2) The Authority or a public body must, as soon as practicable after becoming aware of any such exercise of a function, notify the appropriate public body in writing of the function so exercised and of any such function that it proposes to continue to exercise or to cease to exercise in relation to the matter.
- (3) The Authority or public body may (but is not required to), if notice is given in accordance with subclause (2), continue to exercise the function concerned until:
 - (a) directed to do otherwise by the appropriate public body, or
 - (b) it is given authorisation to exercise the function (or, in the case of the Authority, any authorisation given to a public body is revoked).
- (4) The appropriate public body may, by notice in writing, direct the Authority or another public body not to exercise functions under the Act in relation to a matter if it becomes aware that the Authority or other public body is exercising, or has exercised, a function of the appropriate public body in relation to that matter.
- (5) A direction given by the appropriate public body does not affect any proceedings already commenced by the Authority or other public body in respect of the matter and, for that purpose, this clause and clause 50 apply as if the direction had not been given.

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- (6) For the purposes of the Act and this Regulation and any proceedings, the Authority or a public body who exercises a function as referred to in subclause (1), or who continues to exercise a function in accordance with subclause (3), is taken to be the appropriate public body in relation to the matter concerned and this regulation applies accordingly.
- (7) In this clause:
appropriate public body, in relation to a function of the Authority under the Act, means:
- (a) where a public body has been authorised to exercise that function in accordance with section 5A of the Act, the public body so authorised, or
 - (b) in any other case, the Authority.
- (8) In this clause and in clause 49, a reference to the Authority or a public body extends to an authorised officer of the Authority or a person authorised by the public body and a reference to the exercise of functions by the Authority or a public body extends to the exercise of functions by the authorised officer of the Authority or the person authorised by the public body.

49 Appropriate regulatory authority may continue to exercise functions

- (1) If the Authority or a public body is required to cease to exercise functions, or ceases to exercise functions, under clause 48 (3) or (4), the appropriate public body may continue to exercise any functions commenced by the Authority or other public body, as if the functions had been exercised by the appropriate public body.
- (2) For the purposes of the Act, this Regulation and any proceedings, any function previously exercised by the Authority or other public body relating to the matter concerned is taken to have been exercised by the appropriate public body and this Regulation applies accordingly.
- (3) Without limiting subclause (2), any notice or direction given by the Authority or other public body may be enforced, or varied or revoked, as if it had been given by the appropriate regulatory authority.
- (4) A notice issued by the Authority or other public body is taken to be varied, to the extent of any inconsistency, if a subsequent inconsistent notice is issued by or on behalf of the appropriate public body.
- (5) Nothing in this clause affects the right of the other public body or the Authority to recover a fee, charge or cost under the Act or this Regulation in relation to a notice given while exercising functions as referred to in clause 48 (1) or (3).

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Clause 50 Radiation Control Regulation 2013

Part 5 Miscellaneous

50 Destruction or disposal of records

- (1) An employer or person responsible for regulated material must not destroy or otherwise dispose of any records required to be kept under this Regulation otherwise than in accordance with this clause.

Maximum penalty: 200 penalty units (in the case of a corporation) and 100 penalty units (in any other case).

- (2) An employer or person responsible for regulated material may, with the consent of the Chairperson of the Authority, destroy or otherwise dispose of any records that the employer or responsible person is required by this Regulation to keep.
- (3) The Chairperson of the Authority is not to give consent to the destruction of any records kept under clause 30 by an employer until at least 5 years after the cessation of employment with the employer of the employee concerned.
- (4) An employer may forward to the Chairperson of the Authority the records kept under this Regulation by the employer if the employer ceases to carry on business in New South Wales.
- (5) The Chairperson of the Authority may dispose of any records forwarded to or kept by the Chairperson in accordance with this Regulation.

51 Contamination of premises by radioactivity: section 21

- (1) For the purposes of section 21 (4) of the Act, the prescribed level of activity for premises where one radionuclide is causing the radioactivity is where the activity of the radionuclide causing the contamination is 100 times the exempt activity specified with respect to the radionuclide in Schedule 4 to the National Directory.
- (2) For the purposes of section 21 (4) of the Act, the prescribed level of activity for premises where a mixture of two or more radionuclides are causing the radioactivity is where the sum of the activity ratios of the radionuclides is 100 (where the activity ratio of a radionuclide is equal to its actual activity divided by the exempt activity specified in Schedule 4 to the National Directory for that radionuclide).

52 Penalty notice offences

For the purposes of section 25A of the Act:

- (a) each offence created by a provision specified in Column 1 of Schedule 7 is declared to be a penalty notice offence, and
- (b) the prescribed penalty for such an offence is the amount specified in Column 2 of Schedule 7.

53 Forfeiture of property: sections 26 and 27

- (1) An application made by or on behalf of the Authority for the purposes of section 26 (2) of the Act is to be in writing.
- (2) A notice referred to in section 27 (1) (b) of the Act is to be in writing addressed to the owner of the substance or thing concerned at that person's address last known to the Authority.

54 Operation of provisions about tanning salons after their repeal

Despite the repeal of Schedule 8 on 31 December 2014, clause 14 of that Schedule continues (until 31 December 2016) to apply to a person who carried on a solarium business at any time in the 2 years before the repeal of that clause.

55 Repeal

- (1) The *Radiation Control Regulation 2003* is repealed.
- (2) Any act, matter or thing that, immediately before the repeal of the *Radiation Control Regulation 2003*, had effect under that Regulation continues to have effect under this Regulation.

2013 No 52

Radiation Control Regulation 2013

Schedule 1 Prescribed activity of a radioactive substance

Schedule 1 Prescribed activity of a radioactive substance

(Clause 3 (2))

Column 1	Column 2							
Group 1								
Ac227	Am241	Am243	Cf249	Cf250	Cf252	Cm242	Cm243	40 kilobecquerels
Cm244	Cm245	Cm246	Np237	Pa231	Pb210	Po210	Pu238	
Pu239	Pu240	Pu241	Pu242	Ra223	Ra226	Ra228	Th227	
Th228	Th230	U230	U232	U233	U234			
Any alpha emitting radionuclide that is not included in any other Group in this Schedule								

Column 1	Column 2							
Group 2								
Ac228	Ag110m	At211	Ba140	Bi207	Bi210	Bk249	Ca45	400 kilobecquerels
Cd115m	Ce144	Cl36	Co56	Co60	Cs134	Cs137	Eu152	
Eu154	Ge68	Hf181	I124	I125	I126	I131	I133	
In114m	Ir192	Mn54	Na22	Pa230	Pb212	Ra224	Ru106	
Sb124	Sb125	Sc46	Sr89	Sr90	Ta182	Tb160	Te127m	
Te129m	Th234	Tl204	Tm170	U236	Y91	Zr95		
Any radionuclide that is not alpha emitting and is not included in any other Group in this Schedule								

Column 1	Column 2							
Group 3								
Ag105	Ag111	Ar41	As73	As74	As76	As77	Au196	4 megabecquerels
Au198	Au199	Ba131	Ba133	Be7	Bi206	Bi212	Br75	
Br76	Br82	Ca47	Cd109	Cd115	Ce141	Ce143	Cl38	

Column 1								Column 2
Group 3								
Co57	Co58	Cr51	Cs129	Cs131	Cs136	Cu64	Cu67	
Dy165	Dy166	Er161	Er169	Er171	Eu152m	Eu155	F18	
Fe52	Fe55	Fe59	Ga67	Ga72	Gd153	Gd159	Hf175	
Hg195m	Hg197	Hg197m	Hg203	Ho166	I123	I130	I132	
I134	I135	In111	In115	In115m	Ir190	Ir194	K42	
K43	Kr85m	Kr87	La140	Lu177	Mg28	Mn52	Mn56	
Mo99	Na24	Nb93m	Nb95	Nd147	Nd149	Ni63	Ni65	
Np239	Os185	Os191	Os193	P32	P33	Pa233	Pb203	
Pd103	Pd109	Pm147	Pm149	Pr142	Pr143	Pt191	Pt193	
Pt197	Rb81	Rb86	Re183	Re186	Re188	Rh105	Rn220	
Rn222	Ru103	Ru105	Ru97	S35	Sb122	Sc47	Sc48	
Se75	Si31	Sm151	Sm153	Sn113	Sn121	Sn125	Sr85	
Sr91	Sr92	Tc96	Tc97	Tc97m	Tc99	Te125m	Te127	
Te129	Te131m	Te132	Th231	Tl200	Tl201	Tl202	Tm171	
U239	V48	W181	W185	W187	Xe135	Y87	Y90	
Y92	Y93	Yb175	Zn62	Zn65	Zn69m	Zr97		

Column 1								Column 2
Group 4								
Ar37	C11	C14	Co58m	Cs134m	Cs135	Cu62	Ga68	40 megabecquerels
H3	H3	I129	In113m	Kr81m	Kr85	N13	Nb97	
Ni59	O15	Os191m	Pt197m	Pt197m	Rb87	Re187	Se73	
Se73	Sm147	Sr85m	Sr87m	Tc96m	Tc99m	Th nat	U nat	
U nat	U235	U238	Xe131m	Xe133	Y91m	Zn69	Zr93	

Schedule 2 Classification of laboratories

(Clause 3 (3))

1 Classification of laboratories

- (1) The classification of a laboratory is to relate to each single work area and is to be determined by:
- multiplying the total activity of the relevant radioactive substances by the most appropriate modifying factor in Table 1, and
 - considering Table 2, which provides the activity limits for the classification of premises by reference to the Group that the substance appears in in Schedule 1.
- (2) In this clause:
relevant radioactive substances means radioactive substances (not in the form of a sealed radioactive source) from Group 1 to Group 4 of Schedule 1 which are kept or used within a single work area or laboratory.

Table 1

Procedure	Factor
Simple storage	x100
Very simple wet operations (for example, using aliquots of stock solutions)	x10
Normal chemical operations (for example analysis of simple chemical preparations)	x1
Complex wet operations (for example multiple operations or operations with complex glass apparatus)	x0.1
Simple dry operations (for example manipulation of powders) and work with volatile radioactive compounds	x0.01
Complex dry operations (for example where powders are likely to become airborne) and work with radioactive gases	x0.001

Table 2

Schedule 1 Groups	Low level laboratory	Medium level laboratory	High level laboratory
Group 1 radionuclides	<0.2 MBq	0.2 MBq to 20 MBq	>20 MBq
Group 2 radionuclides	<20 MBq	20 MBq to 2 GBq	>2 GBq
Group 3 radionuclides	<2 GBq	2 GBq to 0.2 TBq	>0.2 TBq

Schedule 1 Groups	Low level laboratory	Medium level laboratory	High level laboratory
Group 4 radionuclides	<0.2 TBq	0.2 TBq to 20 TBq	>20 TBq

2013 No 52

Radiation Control Regulation 2013

Schedule 3 Exemptions from licensing

Schedule 3 Exemptions from licensing

(Clauses 8, 9 and 46)

Part 1 Exemptions from radiation user licensing requirements for certain radioactive substances

- 1 Sealed source devices used for radiation gauging installed in fixed positions
- 2 Self-shielded irradiators (that is, gamma irradiators in which the radioactive substance is completely enclosed in a dry container constructed of solid material that shields the radioactive substance)

Part 2 Exemptions from radiation management and radiation user licensing requirements for certain radioactive substances

- 1 Radioactive substances in luminous dials on any devices, including on clocks and watches
- 2 Gaseous tritium in luminous devices, including in self luminous "EXIT" signs
- 3 Radioactive substances used in nuclear medicine for checking gamma cameras and dose calibrators and having a level of activity of less than 40 megabecquerels
- 4 Radioactive substances used as laboratory reference sources and having a level of activity of less than 40 megabecquerels
- 5 Radioactive substances for demonstration, teaching or training having a level of activity of less than 40 megabecquerels
- 6 Uranium metal of natural isotopic composition, or depleted in uranium 235, which is used as radiation shielding in transport packages for radioactive substances or is used in any other manner
- 7 Radioactive substances in gas chromatography detectors
- 8 Radioactive substances used as static eliminators and having a level of activity of less than 40 megabecquerels
- 9 Radioactive ores that are at any place to which the *Coal Mine Health and Safety Act 2002* applies
- 10 Radioactive ores that are at any place to which the *Mine Health and Safety Act 2004* applies
- 11 Radioactive ores that are at any place where activities that are regulated under the *Petroleum (Offshore) Act 1982* are carried out

- 12 Radioactive ores that are at any place where activities that are regulated under the *Petroleum (Onshore) Act 1991* are carried out
- 13 Americium 241 in industrial smoke detectors that do not contain any other radioactive substance

Part 3 Exemptions from radiation user licensing requirements for certain ionising radiation apparatus

- 1 X-ray baggage inspection apparatus
- 2 Cabinet x-ray inspection apparatus
- 3 Enclosed x-ray diffraction, absorption and fluorescence analysers that comply with the requirements for enclosed units as defined in the document published by the National Health and Medical Research Council entitled *Code of practice for protection against ionizing radiation emitted from X-ray analysis equipment* (or as defined in any document replacing that document that is published by the Australian Radiation Protection and Nuclear Safety Agency)
- 4 X-ray apparatus used for radiation gauging and installed in a fixed position

Part 4 Exemptions from radiation management and radiation user licensing requirements for certain ionising radiation apparatus

- 1 Television receivers
- 2 Visual display units
- 3 Cold cathode gas discharge tubes
- 4 Electron microscopes

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Radiation Control Regulation 2013

Schedule 3 Exemptions from licensing

Part 5 Exemptions from radiation management licensing requirements for certain sealed source devices

- 1 Gas chromatography detectors
- 2 Enclosed x-ray diffraction, absorption and fluorescence analysers that comply with the requirements for enclosed units as defined in the document published by the National Health and Medical Research Council entitled *Code of practice for protection against ionizing radiation emitted from X-ray analysis equipment* (or as defined in any document replacing that document that is published by the Australian Radiation Protection and Nuclear Safety Agency)
- 3 A device that contains a sealed radioactive source used only as a laboratory reference source, having a level of activity of less than 40 megabecquerels

Schedule 4 Fees

(Clause 14)

Table of fees for 2013–2014

Application fee for a new licence or accreditation	\$100 for a simple application \$300 for an application referred by the Authority to the Council for advice
Radiation management licence in the case of a licence that only authorises the selling of regulated material	\$164 for a licence the duration of which is 1 year \$472 for a licence the duration of which is 3 years
Radiation management licence in any other case	\$117 per year plus: \$11 per unit of regulated material (where the material is Group A regulated material) \$28 per unit of regulated material (where the material is Group B regulated material) \$57 per unit of regulated material (where the material is Group C regulated material) \$1256 per unit of regulated material (where the regulated material is Group D regulated material)
Radiation user licence	\$60 for a licence the duration of which is 1 year (where the licence relates to the use of Group 1 regulated material) \$180 for a licence the duration of which is 3 years (where the licence relates to the use of Group 1 regulated material) \$73 for a licence the duration of which is 1 year (where the licence relates to the use of Group 2 regulated material) \$219 for a licence the duration of which is 3 years (where the licence relates to the use of Group 2 regulated material) \$113 for a licence the duration of which is 1 year (where the licence relates to the use of Group 3 regulated material) \$339 for a licence the duration of which is 3 years (where the licence relates to the use of Group 3 regulated material)

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Radiation Control Regulation 2013

Schedule 4 Fees

Table of fees for 2013–2014

Accreditation under section 8 of the Act	\$300
Variation of licence under section 10 of the Act on application of the holder of the licence	\$100 for simple variation \$300 for a variation referred by the Authority to the Council for advice
Variation of accreditation under section 10 of the Act on application of the holder of the accreditation	\$100 for simple variation \$300 for a variation referred by the Authority to the Council for advice
Renewal of radiation management licence that only authorises the selling of regulated material	\$164 for a renewed licence the duration of which is 1 year \$472 for a renewed licence the duration of which is 3 years
Renewal of radiation management licence in any other case	\$117 plus: \$11 per unit of regulated material (where the material is Group A regulated material) \$28 per unit of regulated material (where the material is Group B regulated material) \$57 per unit of regulated material (where the material is Group C regulated material) \$1256 per unit of regulated material (where the material is Group D regulated material)
Renewal of radiation user licence	\$60 for a licence the duration of which is 1 year (where the licence relates to the use of Group 1 regulated material) \$180 for a licence the duration of which is 3 years (where the licence relates to the use of Group 1 regulated material) \$73 for a licence the duration of which is 1 year (where the licence relates to the use of Group 2 regulated material) \$219 for a licence the duration of which is 3 years (where the licence relates to the use of Group 2 regulated material) \$113 for a licence the duration of which is 1 year (where the licence relates to the use of Group 3 regulated material) \$339 for a licence the duration of which is 3 years (where the licence relates to the use of Group 3 regulated material)

Table of fees for 2013–2014

Renewal of accreditation	\$300 for a renewed accreditation the duration of which is 1 year
Approval of personal monitoring devices required by clause 29	\$851
Approval of area monitoring devices required by clause 31	\$851

Table of fees for 2014–2015

Application fee for a new licence or accreditation	\$103 for a simple application \$308 for an application referred by the Authority to the Council for advice
Radiation management licence in the case of a licence that only authorises the selling of regulated material	\$168 for a licence the duration of which is 1 year \$504 for a licence the duration of which is 3 years
Radiation management licence in any other case	\$120 per year plus: \$12 per unit of regulated material (where the material is Group A regulated material) \$29 per unit of regulated material (where the material is Group B regulated material) \$58 per unit of regulated material (where the material is Group C regulated material) \$1287 per unit of regulated material (where the regulated material is Group D regulated material)

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Radiation Control Regulation 2013

Schedule 4 Fees

Table of fees for 2014–2015

Radiation user licence	\$62 for a licence the duration of which is 1 year (where the licence relates to the use of Group 1 regulated material) \$186 for a licence the duration of which is 3 years (where the licence relates to the use of Group 1 regulated material) \$75 for a licence the duration of which is 1 year (where the licence relates to the use of Group 2 regulated material) \$225 for a licence the duration of which is 3 years (where the licence relates to the use of Group 2 regulated material) \$116 for a licence the duration of which is 1 year (where the licence relates to the use of Group 3 regulated material) \$348 for a licence the duration of which is 3 years (where the licence relates to the use of Group 3 regulated material)
Accreditation under section 8 of the Act	\$308
Variation of licence under section 10 of the Act on application of the holder of the licence	\$103 for simple variation \$308 for a variation referred by the Authority to the Council for advice
Variation of accreditation under section 10 of the Act on application of the holder of the accreditation	\$103 for simple variation \$308 for a variation referred by the Authority to the Council for advice
Renewal of radiation management licence that only authorises the selling of regulated material	\$168 for a renewed licence the duration of which is 1 year \$504 for a renewed licence the duration of which is 3 years
Renewal of radiation management licence in any other case	\$120 plus: \$12 per unit of regulated material (where the material is Group A regulated material) \$29 per unit of regulated material (where the material is Group B regulated material) \$58 per unit of regulated material (where the material is Group C regulated material) \$1287 per unit of regulated material (where the material is Group D regulated material)

Table of fees for 2014–2015

Renewal of radiation user licence	\$62 for a licence the duration of which is 1 year (where the licence relates to the use of Group 1 regulated material)
	\$186 for a licence the duration of which is 3 years (where the licence relates to the use of Group 1 regulated material)
	\$75 for a licence the duration of which is 1 year (where the licence relates to the use of Group 2 regulated material)
	\$225 for a licence the duration of which is 3 years (where the licence relates to the use of Group 2 regulated material)
	\$116 for a licence the duration of which is 1 year (where the licence relates to the use of Group 3 regulated material)
	\$348 for a licence the duration of which is 3 years (where the licence relates to the use of Group 3 regulated material)
	\$308 for a renewed accreditation the duration of which is 1 year
Renewal of accreditation	
Approval of personal monitoring devices required by clause 29	\$872
Approval of area monitoring devices required by clause 31	\$872

Table of fees for 2015–2016

Application fee for a new licence or accreditation	\$105 for a simple application
	\$315 for an application referred by the Authority to the Council for advice
Radiation management licence in the case of a licence that only authorises the selling of regulated material	\$172 for a licence the duration of which is 1 year
	\$516 for a licence the duration of which is 3 years

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Radiation Control Regulation 2013

Schedule 4 Fees

Table of fees for 2015–2016

Radiation management licence in any other case	\$123 per year plus: \$13 per unit of regulated material (where the material is Group A regulated material) \$30 per unit of regulated material (where the material is Group B regulated material) \$60 per unit of regulated material (where the material is Group C regulated material) \$1320 per unit of regulated material (where the regulated material is Group D regulated material)
Radiation user licence	\$63 for a licence the duration of which is 1 year (where the licence relates to the use of Group 1 regulated material) \$189 for a licence the duration of which is 3 years (where the licence relates to the use of Group 1 regulated material) \$77 for a licence the duration of which is 1 year (where the licence relates to the use of Group 2 regulated material) \$231 for a licence the duration of which is 3 years (where the licence relates to the use of Group 2 regulated material) \$119 for a licence the duration of which is 1 year (where the licence relates to the use of Group 3 regulated material) \$357 for a licence the duration of which is 3 years (where the licence relates to the use of Group 3 regulated material)
Accreditation under section 8 of the Act	\$315
Variation of licence under section 10 of the Act on application of the holder of the licence	\$105 for simple variation \$315 for a variation referred by the Authority to the Council for advice

Table of fees for 2015–2016

Variation of accreditation under section 10 of the Act on application of the holder of the accreditation	\$105 for simple variation \$315 for a variation referred by the Authority to the Council for advice
Renewal of radiation management licence that only authorises the selling of regulated material	\$172 for a renewed licence the duration of which is 1 year \$516 for a renewed licence the duration of which is 3 years
Renewal of radiation management licence in any other case	\$123 plus: \$13 per unit of regulated material (where the material is Group A regulated material) \$30 per unit of regulated material (where the material is Group B regulated material) \$60 per unit of regulated material (where the material is Group C regulated material) \$1320 per unit of regulated material (where the material is Group D regulated material)

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Radiation Control Regulation 2013

Schedule 4 Fees

Table of fees for 2015–2016

Renewal of radiation user licence	\$63 for a licence the duration of which is 1 year (where the licence relates to the use of Group 1 regulated material) \$189 for a licence the duration of which is 3 years (where the licence relates to the use of Group 1 regulated material) \$77 for a licence the duration of which is 1 year (where the licence relates to the use of Group 2 regulated material) \$231 for a licence the duration of which is 3 years (where the licence relates to the use of Group 2 regulated material) \$119 for a licence the duration of which is 1 year (where the licence relates to the use of Group 3 regulated material) \$357 for a licence the duration of which is 3 years (where the licence relates to the use of Group 3 regulated material)
Renewal of accreditation	\$315 for a renewed accreditation the duration of which is 1 year
Approval of personal monitoring devices required by clause 29	\$894
Approval of area monitoring devices required by clause 31	\$894

Table of fees for 2016–2017

Application fee for a new licence or accreditation	\$108 for a simple application \$323 for an application referred by the Authority to the Council for advice
Radiation management licence in the case of a licence that only authorises the selling of regulated material	\$177 for a licence the duration of which is 1 year \$531 for a licence the duration of which is 3 years
Radiation management licence in any other case	\$126 per year plus: \$14 per unit of regulated material (where the material is Group A regulated material) \$31 per unit of regulated material (where the material is Group B regulated material) \$61 per unit of regulated material (where the material is Group C regulated material) \$1353 per unit of regulated material (where the regulated material is Group D regulated material)

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Radiation Control Regulation 2013

Schedule 4 Fees

Table of fees for 2016–2017

Radiation user licence	\$65 for a licence the duration of which is 1 year (where the licence relates to the use of Group 1 regulated material) \$195 for a licence the duration of which is 3 years (where the licence relates to the use of Group 1 regulated material) \$79 for a licence the duration of which is 1 year (where the licence relates to the use of Group 2 regulated material) \$237 for a licence the duration of which is 3 years (where the licence relates to the use of Group 2 regulated material) \$122 for a licence the duration of which is 1 year (where the licence relates to the use of Group 3 regulated material) \$366 for a licence the duration of which is 3 years (where the licence relates to the use of Group 3 regulated material)
Accreditation under section 8 of the Act	\$323
Variation of licence under section 10 of the Act on application of the holder of the licence	\$108 for simple variation \$323 for a variation referred by the Authority to the Council for advice
Variation of accreditation under section 10 of the Act on application of the holder of the accreditation	\$108 for simple variation \$323 for a variation referred by the Authority to the Council for advice
Renewal of radiation management licence that only authorises the selling of regulated material	\$177 for a renewed licence the duration of which is 1 year \$531 for a renewed licence the duration of which is 3 years

Table of fees for 2016–2017

Renewal of radiation management licence in any other case	<p>\$126 plus:</p> <p>\$14 per unit of regulated material (where the material is Group A regulated material)</p> <p>\$31 per unit of regulated material (where the material is Group B regulated material)</p> <p>\$61 per unit of regulated material (where the material is Group C regulated material)</p> <p>\$1353 per unit of regulated material (where the material is Group D regulated material)</p>
Renewal of radiation user licence	<p>\$65 for a licence the duration of which is 1 year (where the licence relates to the use of Group 1 regulated material)</p> <p>\$195 for a licence the duration of which is 3 years (where the licence relates to the use of Group 1 regulated material)</p> <p>\$79 for a licence the duration of which is 1 year (where the licence relates to the use of Group 2 regulated material)</p> <p>\$237 for a licence the duration of which is 3 years (where the licence relates to the use of Group 2 regulated material)</p> <p>\$122 for a licence the duration of which is 1 year (where the licence relates to the use of Group 3 regulated material)</p> <p>\$366 for a licence the duration of which is 3 years (where the licence relates to the use of Group 3 regulated material)</p>
Renewal of accreditation	\$323 for a renewed accreditation the duration of which is 1 year
Approval of personal monitoring devices required by clause 29	\$916

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Radiation Control Regulation 2013

Schedule 4 Fees

Table of fees for 2016–2017

Approval of area monitoring devices required by clause 31	\$916
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Table of fees for 2017–2018

Application fee for a new licence or accreditation	\$110 for a simple application \$331 for an application referred by the Authority to the Council for advice
Radiation management licence in the case of a licence that only authorises the selling of regulated material	\$181 for a licence the duration of which is 1 year \$543 for a licence the duration of which is 3 years
Radiation management licence in any other case	\$129 per year plus: \$15 per unit of regulated material (where the material is Group A regulated material) \$32 per unit of regulated material (where the material is Group B regulated material) \$63 per unit of regulated material (where the material is Group C regulated material) \$1386 per unit of regulated material (where the regulated material is Group D regulated material)

Table of fees for 2017–2018

Radiation user licence	\$66 for a licence the duration of which is 1 year (where the licence relates to the use of Group 1 regulated material)
	\$198 for a licence the duration of which is 3 years (where the licence relates to the use of Group 1 regulated material)
	\$81 for a licence the duration of which is 1 year (where the licence relates to the use of Group 2 regulated material)
	\$243 for a licence the duration of which is 3 years (where the licence relates to the use of Group 2 regulated material)
	\$125 for a licence the duration of which is 1 year (where the licence relates to the use of Group 3 regulated material)
	\$375 for a licence the duration of which is 3 years (where the licence relates to the use of Group 3 regulated material)
	\$331
Accreditation under section 8 of the Act	\$331
Variation of licence under section 10 of the Act on application of the holder of the licence	\$110 for simple variation
	\$331 for a variation referred by the Authority to the Council for advice
Variation of accreditation under section 10 of the Act on application of the holder of the accreditation	\$110 for simple variation
	\$331 for a variation referred by the Authority to the Council for advice
Renewal of radiation management licence that only authorises the selling of regulated material	\$181 for a renewed licence the duration of which is 1 year
	\$543 for a renewed licence the duration of which is 3 years

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Radiation Control Regulation 2013

Schedule 4 Fees

Table of fees for 2017–2018

Renewal of radiation management licence in any other case	\$129 plus: \$15 per unit of regulated material (where the material is Group A regulated material) \$32 per unit of regulated material (where the material is Group B regulated material) \$63 per unit of regulated material (where the material is Group C regulated material) \$1386 per unit of regulated material (where the material is Group D regulated material)
Renewal of radiation user licence	\$66 for a licence the duration of which is 1 year (where the licence relates to the use of Group 1 regulated material) \$198 for a licence the duration of which is 3 years (where the licence relates to the use of Group 1 regulated material) \$81 for a licence the duration of which is 1 year (where the licence relates to the use of Group 2 regulated material) \$243 for a licence the duration of which is 3 years (where the licence relates to the use of Group 2 regulated material) \$125 for a licence the duration of which is 1 year (where the licence relates to the use of Group 3 regulated material) \$375 for a licence the duration of which is 3 years (where the licence relates to the use of Group 3 regulated material)
Renewal of accreditation	\$331 for a renewed accreditation the duration of which is 1 year
Approval of personal monitoring devices required by clause 29	\$939

Radiation Control Regulation 2013

Fees

Schedule 4

Table of fees for 2017–2018

Approval of area monitoring devices required by clause 31	\$939
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2013 No 52

Radiation Control Regulation 2013

Schedule 5 Dose limits for exposure to ionising radiation

Schedule 5 Dose limits for exposure to ionising radiation

(Clause 26)

Application	Dose limit	Dose limit
	Occupationally exposed persons	Members of public (other than patients)
Effective dose	20 mSv per year averaged over a period of 5 consecutive calendar years ^{4, 5, 6}	1 mSv in a year ⁷
Equivalent dose to:		
(a) lens of the eye	20 mSv per year averaged over a period of 5 consecutive calendar years ^{4, 5, 6}	15 mSv in a year
(b) skin ⁸	500 mSv in a year	50 mSv in a year
(c) the hands and feet	500 mSv in a year	No limit specified

Note 1. The limits apply to the sum of the relevant doses from external exposure in the specified period and the committed dose from intakes in the same period. In this Note, **committed dose** means the dose of radiation, arising from the intake of radioactive material, accumulated by the body over 50 years following the intake (except in the case of intakes by children, where it is the dose accumulated until the age of 70).

Note 2. Any dose resulting from medical diagnosis or treatment should not be taken into account.

Note 3. Any dose attributable to normal naturally occurring background levels of radiation should not be taken into account.

Note 4. With the further provision that the effective dose must not exceed 50mSv in any single year.

Note 5. When a female employee declares a pregnancy, the embryo or foetus should be afforded the same level of protection as required for members of the public.

Note 6. When, in exceptional circumstances, a temporary change in the dose limitation requirements is approved by the Authority, one only of the following conditions applies:

- the effective dose limit must not exceed 50mSv per year for the period, that must not exceed 5 years, for which the temporary change is approved,
- the period for which the 20mSv per year average applies must not exceed 10 consecutive years and the effective dose must not exceed 50mSv in any single year.

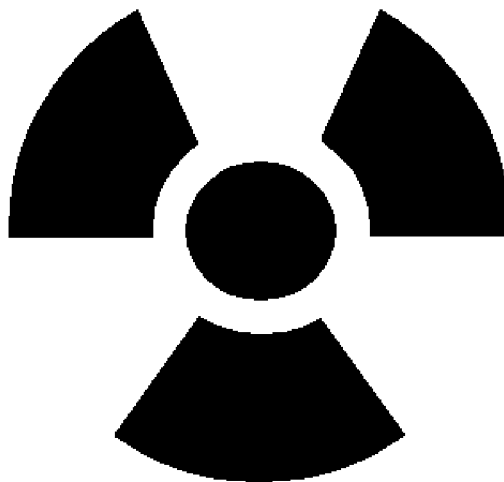
Note 7. In special circumstances, a higher value of effective dose could be allowed in a single year, provided that the average over 5 years does not exceed 1mSv per year.

Note 8. The equivalent dose limit for the skin applies to the dose averaged over any 1 square centimetre of skin, regardless of the total area exposed.

Schedule 6 Prescribed warning sign

(Clause 46)

CAUTION RADIATION



Note. The sign is to have a yellow background with the distinctive symbol in black and the lettering "CAUTION RADIATION" in black.

2013 No 52

Radiation Control Regulation 2013

Schedule 7 Penalty notice offences

Schedule 7 Penalty notice offences

(Clause 52)

Column 1	Column 2
Provision	Penalty
Offences under the Act	
Section 6 (2)	\$1500 for a corporation \$750 for an individual
Section 6 (6)	\$1500 for a corporation \$750 for an individual
Section 7	\$750
Section 8 (1)	\$1000
Section 8 (2)	\$1000
Section 13 (5)	\$250
Section 13A (4)	\$1500 for a corporation \$750 for an individual
Section 13A (5)	\$1000
Section 14 (1)	\$1500 for a corporation \$750 for an individual
Section 14 (4)	\$1500 for a corporation \$750 for an individual
Section 14 (6)	\$1500 for a corporation \$750 for an individual
Section 14 (7)	\$1500 for a corporation \$750 for an individual
Section 14A (1)	\$1500 for a corporation \$750 for an individual
Section 14A (2)	\$1500 for a corporation \$750 for an individual
Section 14B (1)	\$1500 for a corporation \$750 for an individual
Section 14B (5)	\$1500 for a corporation \$750 for an individual

Column 1	Column 2
Provision	Penalty
Section 18 (4) (a)	\$1500 for a corporation \$750 for an individual
Section 18 (4) (b)	\$1500 for a corporation \$750 for an individual
Section 19 (4)	\$1500 for a corporation \$750 for an individual
Section 19 (5)	\$1500 for a corporation \$750 for an individual
Section 19 (6)	\$1500 for a corporation \$750 for an individual
Section 33A	\$1500 for a corporation \$750 for an individual
Offences under this Regulation	
Clause 10 (5)	\$250
Clause 10 (6)	\$250
Clause 23 (1)	\$1500 for a corporation \$750 for an individual
Clause 26 (1)	\$1500 for a corporation \$750 for an individual
Clause 26 (2)	\$1500 for a corporation \$750 for an individual
Clause 27	\$1000 for a corporation \$250 for an individual
Clause 28 (2)	\$500 for a corporation \$250 for an individual
Clause 28 (3)	\$500 for a corporation \$250 for an individual
Clause 29 (1)	\$1000 for a corporation \$500 for an individual
Clause 29 (2)	\$500
Clause 30 (1)	\$500 for a corporation \$250 for an individual

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Schedule 7 Penalty notice offences

Column 1	Column 2
Provision	Penalty
Clause 30 (3)	\$500 for a corporation \$250 for an individual
Clause 30 (4)	\$500 for a corporation \$250 for an individual
Clause 30 (5)	\$500 for a corporation \$250 for an individual
Clause 31 (4)	\$500 for a corporation \$250 for an individual
Clause 31 (5)	\$500 for a corporation \$250 for an individual
Clause 32	\$1000 for a corporation \$500 for an individual
Clause 33	\$1000 for a corporation \$500 for an individual
Clause 34 (1)	\$1500 for a corporation \$750 for an individual
Clause 34 (2)	\$1500 for a corporation \$750 for an individual
Clause 35 (1)	\$1500 for a corporation \$750 for an individual
Clause 36	\$1500 for a corporation \$750 for an individual
Clause 38 (1)	\$1000 for a corporation \$500 for an individual
Clause 39 (1)	\$500 for a corporation \$250 for an individual
Clause 40 (1)	\$1000 for a corporation \$500 for an individual
Clause 40 (2)	\$1000 for a corporation \$500 for an individual
Clause 41 (1)	\$1500

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Penalty notice offences

Schedule 7

Column 1	Column 2
Provision	Penalty
Clause 42	\$1500 for a corporation \$750 for an individual
Clause 43 (2)	\$500 for a corporation \$250 for an individual
Clause 44 (1)	\$1500 for a corporation \$750 for an individual
Clause 45 (1)	\$1500 for a corporation \$750 for an individual
Clause 46	\$500 for a corporation \$250 for an individual
Clause 50 (1)	\$500 for a corporation \$250 for an individual

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Schedule 8 Transitional provisions relating to tanning units

Schedule 8 Transitional provisions relating to tanning units

Part 1 Preliminary

1 Application of Schedule

This Schedule is repealed on 31 December 2014.

Note. A complete ban on commercial cosmetic tanning services commences on 31 December 2014: see clause 41 of this Regulation.

Part 2 Transitional provisions relating to tanning units

2 Definitions

(1) In this Part:

AS/NZS 2635:2008 means the Australian and New Zealand Standard entitled AS/NZS 2635:2008, *Solaria for cosmetic purposes*, as in force from time to time, published jointly by Standards Australia and Standards New Zealand.

Fitzpatrick Skin Photo Type classification system means a system for the classification of skin photo types, as referred to in AS/NZS 2635:2008.

operator, in relation to a tanning unit, means a person who operates or activates a tanning unit at a solaria business.

solaria business means a commercial establishment containing one or more tanning units that is or are used to provide a service of tanning human skin for cosmetic purposes.

tanning session means a period of time during which a client of a solaria business is exposed to ultraviolet radiation from a tanning unit operated by the business.

tanning unit means an electrically powered apparatus intended to produce tanning of human skin by exposure of the skin to ultraviolet radiation emitted by the apparatus.

ultraviolet radiation means radiation for which the wavelengths are within the range of 100 to 400 nanometres.

(2) In this Part, a reference to a particular Skin Photo Type is a reference to that Skin Photo Type determined in accordance with the Fitzpatrick Skin Photo Type classification system.

3 Application of Part

This Part applies only in relation to a tanning unit and a solarium business used to provide a tanning service for fee or reward or used in connection with another service that is provided for fee or reward.

4 Prohibition on exposure of certain persons to radiation from tanning units

- (1) The operator of a tanning unit must not expose a person to ultraviolet radiation from the unit unless:
 - (a) the operator has assessed the person's skin type in accordance with the Fitzpatrick Skin Photo Type classification system, or
 - (b) the person has provided the operator with a certificate from a medical practitioner that certifies that the medical practitioner has assessed the person's skin type in accordance with the Fitzpatrick Skin Photo Type classification system and states the results of that assessment.
- (2) The operator of a tanning unit must not expose a person to ultraviolet radiation from the unit if:
 - (a) the person is under the age of 18 years, or
 - (b) the person's skin type has been assessed as Skin Photo Type I.Maximum penalty: 100 penalty units.

5 Prohibition on exposure of persons to radiation from tanning units without written consent

- (1) The operator of a tanning unit must not expose a person to ultraviolet radiation from the unit unless:
 - (a) the person has completed a consent form in the form set out in Part 4 of this Schedule, and
 - (b) the operator has ensured that the person has been given a reasonable time to read the consent form, and
 - (c) the operator has taken reasonable steps to satisfy himself or herself that the person understands the information in the consent form and that the information provided by the person is true.Maximum penalty: 100 penalty units.
- (2) A consent form is not valid for the purposes of subclause (1) unless it relates only to exposure to ultraviolet radiation on the particular occasion concerned.

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Schedule 8 Transitional provisions relating to tanning units

6 Limits on exposure to radiation from tanning units

- (1) The operator of a tanning unit must not expose a person to more than 0.9 MED for that person's skin type (as assessed by the operator) from the unit on any single occasion.
Maximum penalty: 50 penalty units.
- (2) For the purposes of this clause, *MED (minimum erythematol dose)*, for a particular skin type specified in Column 1 of the Table to this clause, means the amount of ultraviolet radiation specified for that skin type in Column 2 of the Table to this clause.

Table

Column 1	Column 2
Skin type	MED
Skin Photo Type II	250J/m ²
Skin Photo Type III	300J/m ²
Skin Photo Type IV	450J/m ²
Skin Photo Type V	600J/m ²
Skin Photo Type VI	1,000J/m ²

Note. An amount listed in Column 2 of the Table is the dose of ultraviolet radiation that may cause a perceptible reddening of the skin for the skin type listed in Column 1 of the Table opposite that amount.

7 Frequency of exposure to radiation from tanning units

- (1) A person who carries on a solaria business must ensure that procedures are in place, and are implemented, to prevent a person from being exposed to ultraviolet radiation from a tanning unit at the business more than once in any 48-hour period.
- (2) The operator of a tanning unit must not expose a person to ultraviolet radiation from the unit if the operator knows, or ought reasonably to know, that the person has been exposed to ultraviolet radiation from a tanning unit within the preceding period of 48 hours.
Maximum penalty: 50 penalty units.

8 Persons exposed to radiation from tanning units to wear protective eyewear

The operator of a tanning unit must ensure that a person who is exposed to ultraviolet radiation from the unit is wearing protective eyewear that

complies with the requirements set out under AS/NZS 2635:2008 with respect to eye protection.

Maximum penalty: 50 penalty units.

9 Display of warning notices at solarium businesses

A person who carries on a solarium business must ensure that a warning notice that complies with the requirements specified in clause 3.6.1 of AS/NZS 2635:2008 is displayed in accordance with that clause.

Maximum penalty: 50 penalty units.

10 Training of tanning unit operators

A person who carries on a solarium business must ensure that any person employed or engaged as an operator of tanning units at the business receives training that covers the following:

- (a) the safe use and operation of tanning units,
- (b) the requirements and practical implementation of AS/NZS 2635:2008,
- (c) the appropriate determination of skin types in accordance with the Fitzpatrick Skin Photo Type classification system,
- (d) the appropriate determination of exposure times for different skin types from tanning units,
- (e) the method of screening persons for skin conditions or other conditions that would limit exposure from tanning units,
- (f) the types and wavelengths of ultraviolet light that are emitted by tanning units,
- (g) the appropriate procedures for sanitising tanning units, using protective eyewear and using other equipment in connection with tanning units,
- (h) the requirements of this Schedule.

Maximum penalty: 50 penalty units.

11 Supervision by operator of tanning unit

A person who carries on a solarium business must ensure that a client of the business is directly supervised by an operator during any period in which the client is using any tanning unit at the business.

Maximum penalty: 50 penalty units.

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Schedule 8 Transitional provisions relating to tanning units

12 Only one person to use tanning unit at a time

The operator of a tanning unit must ensure that not more than one person is exposed to ultraviolet radiation from the unit at any one time.

Maximum penalty: 25 penalty units.

13 Requirements for persons who carry on solaria businesses

A person who carries on a solaria business must ensure that:

- (a) a tanning unit at the business is not capable of being operated by a client of the business, other than to terminate or suspend a tanning session, and
- (b) there is within the reach of a client using a tanning unit at the business a means by which the client may terminate or suspend a tanning session involving the unit, and
- (c) the operator of a tanning unit at the business is able to terminate a tanning session remotely, and
- (d) a timing device is installed on each tanning unit at the business that can be set to automatically switch off the unit when the maximum amount of exposure to ultraviolet radiation specified under clause 6 for the client concerned is reached, and
- (e) ultraviolet screening is provided to contain direct ultraviolet radiation emitted by a tanning unit to the area normally occupied by a client using the tanning unit, and
- (f) if a client is exposed to ultraviolet radiation from a tanning unit in a standing position, there is at least one mechanism provided to support the person in that position.

Maximum penalty: 50 penalty units.

14 Requirement to keep records and documents

- (1) A person who carries on a solaria business must keep, or cause to be kept, the following records and documents in accordance with subclause (2) at the premises of the business at which tanning units are operated:
 - (a) a record of each skin type assessment required to be carried out under clause 4 (1) (a),
 - (b) a copy of each certificate provided under clause 4 (1) (b) containing the results of a skin type assessment by a medical practitioner,
 - (c) any written consent forms obtained from clients for the purposes of clause 5,

-
- (d) a record detailing the following for each tanning session conducted at the business:
 - (i) the date of the tanning session,
 - (ii) the name of the client,
 - (iii) the duration of the tanning session,
 - (iv) a description of the tanning unit (including the model number or serial number of the unit),
 - (e) a record detailing each maintenance or servicing of a tanning unit operated at the business,
 - (f) a record detailing the sale or transfer of each tanning unit operated at the business, including the date on which the unit was sold or transferred and the name and address of the person to whom it was sold or transferred,
 - (g) a record detailing the training provided to each person employed or engaged as an operator of tanning units at the business in accordance with clause 10.

Maximum penalty: 100 penalty units.

- (2) A record or document required to be kept by a person under this clause must be retained by the person for at least 2 years after the record is made or the document obtained.

15 Requirement to keep copy of regulations and Standard

A person who carries on a solaria business must keep a copy of this Regulation and AS/NZS 2635:2008 at the premises of the business at which tanning units are operated, or must enable those instruments to be accessed electronically at the premises (such as by means of the internet).

Maximum penalty: 25 penalty units.

16 Prohibition on claims of health benefits and safety from risk

A person who carries on a solaria business must not make a representation or claim that:

- (a) the use of a tanning unit will result in any non-cosmetic health benefit, or
- (b) the use of a tanning unit is safe from risk.

Maximum penalty: 50 penalty units.

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Schedule 8 Transitional provisions relating to tanning units

17 Claims in respect of tanning sessions

A person who carries on a solarium business must not make a representation or claim that would cause a reasonable person to believe that the business provides tanning sessions:

- (a) to clients at a greater frequency than permitted by this Regulation, or
- (b) that would expose clients to a greater amount of ultraviolet radiation than permitted by this Regulation.

Maximum penalty: 50 penalty units.

18 Provision of information

- (1) A person who carries on a solarium business must provide to the Chairperson of the Authority, in accordance with this clause, the following information in relation to each premises at which the person carries on the business:

- (a) if the person is a natural person, the name, postal address, telephone number and email address of the person,
- (b) if the person is a corporation, the name, postal address, telephone number and email address of a nominated director or officer of the corporation,
- (c) the address of the premises of the business at which tanning services are provided by the business,
- (d) the number of tanning units used at those premises,
- (e) the type of each tanning unit used at those premises.

Maximum penalty: 50 penalty units.

- (2) The information must be provided in writing no later than 2 months after the person commences to carry on the business.

- (3) A person who carries on a solarium business must, within 30 days after any change occurring in the information required to be provided under this clause, notify the Chairperson of the Authority in writing of the change.

Maximum penalty: 50 penalty units.

Part 3 Penalty notices

19 Penalty notice offences

For the purposes of section 25A of the Act:

- (a) each offence created by a provision of this Schedule specified in Column 1 of the Table to this clause is declared to be a penalty notice offence, and
- (b) the prescribed penalty for such an offence is the amount specified in Column 2 of the Table to this clause.

Table

Column 1	Column 2
Provision	Penalty
Clause 4 (1) and (2)	\$1000
Clause 5 (1)	\$1000
Clause 6 (1)	\$500
Clause 7 (1) and (2)	\$500
Clause 8	\$500
Clause 9	\$500
Clause 10	\$500
Clause 11	\$500
Clause 12	\$250
Clause 13	\$500
Clause 14 (1)	\$1000
Clause 15	\$250
Clause 16	\$500
Clause 17	\$500
Clause 18 (1) and (3)	\$500

Part 4 Form

Client consent form

Please read the following information carefully

- (1) Tanning units emit ultraviolet radiation.

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Schedule 8 Transitional provisions relating to tanning units

- (2) Exposure to ultraviolet radiation such as from a tanning unit contributes to the skin ageing process and skin cancer.
- (3) Intentional tanning unit exposure should be avoided for 48 hours before and after sunlight or tanning unit exposure.
- (4) Protective eyewear must be worn at all times while undergoing tanning unit exposure.
- (5) If you have fair skin and burn easily you will not be permitted to use a tanning unit.
- (6) If you are under the age of 18 years you will not be permitted to use a tanning unit.
- (7) There is additional risk, and tanning unit exposure is not recommended, if you:
 - (a) have ever been treated for solar keratoses or skin cancer, or
 - (b) have a large number of moles, freckles or naevi, or
 - (c) have a history of frequent childhood sunburn, or
 - (d) burn easily, or
 - (e) have ever suffered from an abnormal reaction, or allergy, to light.
- (8) 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 item (3), (7) or (8) above, you should consult your doctor before undergoing any ultraviolet exposure.

Consent

- (1) I, [Name], of [Address], am over the age of 18 years.
- (2) I acknowledge that I have read and fully understand the above information.
- (3) I consent to being exposed to ultraviolet radiation from a tanning unit in this establishment.
- (4) I have not been exposed to ultraviolet radiation from a tanning unit in the last 48 hours.

.....
Signed (client)

.....
Date

.....
Signed (operator)

.....
Date

.....
Name of establishment