Australian Radiation Protection and Nuclear Safety Amendment (2015 Measures No. 1) Regulation 2015

Select Legislative Instrument No. 73, 2015

I, General the Honourable Sir Peter Cosgrove AK MC (Ret'd), Governor-General of the Commonwealth of Australia, acting with the advice of the Federal Executive Council, make the following regulation.

Dated 28 May 2015

Peter Cosgrove
Governor-General

By His Excellency's Command

Fiona Nash
Assistant Minister for Health

OPC61084 - B

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1 Name

This is the *Australian Radiation Protection and Nuclear Safety Amendment (2015 Measures No. 1) Regulation 2015*.

2 Commencement

This instrument commences on 1 July 2015.

3 Authority

This instrument is made under the *Australian Radiation Protection and Nuclear Safety Act 1998*.

4 Schedules

Each instrument that is specified in a Schedule to this instrument is amended or repealed as set out in the applicable items in the Schedule concerned, and any other item in a Schedule to this instrument has effect according to its terms.

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Schedule 1—Amendments

Part 1—Amendments of fees

Australian Radiation Protection and Nuclear Safety Regulations 1999

1 Amendments of listed provisions—Schedule 3A

The items of the table in Schedule 3A listed in the following table are amended as set out in the table.

Amendments relating to facility licence application fees—nuclear installations

Item	Table item	Omit	Substitute
1	Item 1	27 285	28 021
2	Item 2	170 531	175 135
3	Item 3	136 426	140 109
4	Item 4	68 212	70 053
5	Item 5	68 212	70 053
6	Item 6	136 426	140 109
7	Item 7	545 701	560 434
8	Item 8	136 426	140 109
9	Item 9	584 681	600 467
10	Item 10	136 426	140 109
11	Item 11	13 642	14 010
12	Item 12	61 390	63 047
13	Item 13	13 642	14 010
14	Item 14	61 390	63 047
15	Item 15	27 285	28 021
16	Item 16	324 823	333 593
17	Item 17	389 787	400 311
18	Item 18	13 642	14 010
19	Item 19	204 638	210 163
20	Item 20	27 285	28 021
21	Item 21	68 212	70 053

Amendments relating to facility licence application fees—nuclear installations			
Item	**Table item**	**Omit**	**Substitute**
22	Item 22	136 426	140 109
23	Item 23	13 642	14 010
24	Item 24	122 783	126 098
25	Item 25	27 285	28 021

2 Amendments of listed provisions—Part 1 of Schedule 3B

The items of the table in Part 1 of Schedule 3B listed in the following table are amended as set out in the table.

Amendments relating to facility licence application fees—prescribed radiation facilities (general)			
Item	**Table item**	**Omit**	**Substitute**
1	Item 1	12 278	12 609
2	Item 2	12 278	12 609
3	Item 3	12 278	12 609
4	Item 4	12 278	12 609
5	Item 5	12 278	12 609
6	Item 6	12 278	12 609
7	Item 7	24 557	25 220

3 Amendments of listed provisions—Part 2 of Schedule 3B

The items of the table in Part 2 of Schedule 3B listed in the following table are amended as set out in the table.

Amendments relating to facility licence application fees—prescribed radiation facilities (other)			
Item	**Table item**	**Omit**	**Substitute**
1	Item 1	40 927	42 032
2	Item 2	27 285	28 021
3	Item 3	40 927	42 032
4	Item 4	27 285	28 021

4 Amendments of listed provisions—Part 2 of Schedule 3C

The items of the table in Part 2 of Schedule 3C listed in the following table are amended as set out in the table.

Amendments relating to source licence application fees—amount of fees			
Item	**Table item**	**Omit**	**Substitute**
1	Item 1	682	700
2	Item 1	2 728	2 801
3	Item 1	8 185	8 405
4	Item 2	1 772	1 819
5	Item 2	5 457	5 604
6	Item 2	16 370	16 811
7	Item 3	3 411	3 503
8	Item 3	10 257	10 533
9	Item 3	30 012	30 822

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Part 2—Other amendments

Australian Radiation Protection and Nuclear Safety Regulations 1999

5 Regulation 3

Repeal the regulation, substitute:

3 Definitions

Note: A number of expressions used in these regulations are defined in the Act, including the following:
(a) controlled apparatus;
(b) controlled facility;
(c) controlled material;
(d) controlled person;
(e) deal with.

In these regulations:

absorbed dose means the energy absorbed per unit mass by matter from ionizing radiation that impinges upon it.

Note: See Annex B to the *Recommendations for Limiting Exposure to Ionizing Radiation*.

Act means the *Australian Radiation Protection and Nuclear Safety Act 1998*.

action level means an intervention level applied to exposure to radiation.

application fee, for a licence, includes the ordinary costs of processing the application for the licence, but does not include any additional expenses that may be incurred by the CEO in respect of any peer review or consultancy that the CEO considers necessary for the purpose of deciding whether to issue the licence.

committed effective dose means the effective dose that a person is committed to receive from an intake of radioactive material.

Note: See Annex B to the *Recommendations for Limiting Exposure to Ionizing Radiation*.

Committee means the Radiation Health Committee or the Nuclear Safety Committee.

Council means the Radiation Health and Safety Advisory Council created by section 19 of the Act.

dose includes absorbed dose, equivalent dose or effective dose.

Note: See Annex B to the *Recommendations for Limiting Exposure to Ionizing Radiation*.

effective dose means a measure of dose that takes into account both the type of radiation involved and the radiological sensitivities of the organs and tissues irradiated.

Note: See Annex B to the *Recommendations for Limiting Exposure to Ionizing Radiation*.

equivalent dose means a measure of dose in organs and tissues that takes into account the type of radiation involved.

Note: See Annex B to the *Recommendations for Limiting Exposure to Ionizing Radiation*.

excluded exposure, for the definition of ***occupational exposure***, means the component of exposure which arises from natural background radiation, provided that:

(a) any relevant action level or levels for the workplace are not exceeded; and
(b) the CEO does not prohibit the exclusion of that component.

exposure means the circumstance of being exposed to radiation.

external exposure means exposure to radiation from a source outside the human body.

holder, of a licence, means the controlled person to whom the licence is issued.

irradiator means a device that contains a controlled material that gives a controlled dose of radiation to any target material.

medical exposure means:

(a) the exposure of a person to radiation received:
    (i) as a patient undergoing medical diagnosis or therapy; or
    (ii) as a volunteer in medical research; or

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(b) non-occupational exposure received as a consequence of assisting an exposed patient.

National Standard for Limiting Occupational Exposure to Ionizing Radiation means the document of that title as republished by ARPANSA in 2002 in the single document titled *Recommendations for Limiting Exposure to Ionizing Radiation (1995) and National Standard for Limiting Occupational Exposure to Ionizing Radiation (Radiation Protection Series No. 1)*.

Note: The single document could in 2015 be viewed on ARPANSA's website (http://www.arpansa.gov.au).

occupational exposure means exposure of a person to radiation that:

(a) occurs in the course of the person's work; and

(b) is not excluded exposure.

public exposure means the exposure of a person to radiation that is neither occupational exposure nor medical exposure.

Recommendations for Limiting Exposure to Ionizing Radiation means the document titled *Recommendations for Limiting Exposure to Ionizing Radiation (1995)*, as republished by ARPANSA in 2002 in the single document titled *Recommendations for Limiting Exposure to Ionizing Radiation (1995) and National Standard for Limiting Occupational Exposure to Ionizing Radiation (Radiation Protection Series No. 1)*.

Note: The single document could in 2015 be viewed on ARPANSA's website (http://www.arpansa.gov.au).

same location, in relation to a controlled apparatus or controlled material: see subregulation 40D(3).

sealed source means controlled material permanently contained in a capsule, or closely bound in a solid form, that is strong enough to be leak-tight for:

(a) the intended use of the controlled material; and

(b) any foreseeable abnormal events likely to affect the controlled material.

unsealed source means controlled material that is not a sealed source.

waste package, in relation to controlled material contained or to be contained in a nuclear waste storage facility or a nuclear waste disposal facility, means the waste form of the controlled material and its container as prepared for handling, transport, storage or disposal.

3A Parent nuclides and progeny nuclides included in secular equilibrium

(1) For these regulations, in determining the activity of a parent nuclide mentioned in an item in the table in clause 3 of Schedule 2, include the activity of any progeny nuclide mentioned in that item that is included in secular equilibrium with the parent nuclide.

Note: Parent nuclides are also marked [a] in the table in clause 2 of Schedule 2.

(2) Except for subregulation (1), the activity of a progeny nuclide mentioned in an item in the table in clause 3 of Schedule 2 is taken to be nil when included in secular equilibrium with a parent nuclide mentioned in that item.

6 Paragraph 4(2)(b)

Before "Schedule 1", insert "the table in clause 1 of".

7 Subregulation 4(3)

Omit "an apparatus is not a controlled apparatus", substitute "an apparatus covered by subregulation (2) is not a controlled apparatus under that subregulation".

8 Paragraph 4(3A)(a)

Omit "; and", substitute "; or".

9 Paragraph 6(1)(c)

After "10^{13} Bq", insert "but not more than 10^{15} Bq".

10 Paragraph 6(2)(a)

Omit "column 4 of Part 2", substitute "an item in the table in clause 2".

11 Paragraph 7(2)(b)

Omit "column 3 of Part 2", substitute "an item in the table in clause 2".

12 Paragraph 7(3)(a)

Omit "column 4 of Part 2", substitute "an item in the table in clause 2".

13 Paragraph 8(3)(b)

Omit "column 3 of Part 2", substitute "an item in the table in clause 2".

14 Paragraph 8(4)(a)

Omit "column 4 of Part 2", substitute "an item in the table in clause 2".

15 Paragraph 11(2)(a)

Omit "column 4 of Part 2", substitute "an item in the table in clause 2".

16 Subregulations 38(1) and (3)

Omit "Part 1", substitute "an item in the table in clause 1".

17 Paragraph 38(3)(b)

Omit "or 60; or", substitute "or 60.".

18 Paragraph 38(3)(c)

Repeal the paragraph.

19 Subregulation 38(5)

Omit "Part 1", substitute "an item in the table in clause 1".

20 Paragraph 38(5)(b)

Omit "or 60; or", substitute "or 60.".

21 Paragraph 38(5)(c)

Repeal the paragraph.

22 Paragraph 38(6)(a)

Omit "Part 1", substitute "an item in the table in clause 1".

23 Paragraph 39(2)(a)

Omit "Part 1", substitute "the table in clause 1".

24 Paragraph 39(3)(a)

Omit "Part 2", substitute "the table in clause 2".

25 Subregulation 40B(1)

Omit "column 2 of an item in", substitute "an item in the table in clause 1 of".

26 Subregulation 40B(2)

Repeal the subregulation, substitute:

(2) The amount of the application fee for the licence is the amount mentioned in the item.

27 Subregulation 40C(1)

Omit "column 2 of an item in Part 1", substitute "an item in the table in clause 1".

28 Subregulation 40C(2)

Before "application fee", insert "amount of the".

29 Paragraph 40C(2)(a)

Omit ", the fee mentioned in column 3 of the relevant item in Part 1 of Schedule 3B", substitute "and subregulation (3), the amount mentioned in the item mentioned in subregulation (1)".

30 Paragraph 40C(2)(b)

Omit "column 2 of an item in Part 2 of Schedule 3B—the fee mentioned in column 3 of that item", substitute "an item in the table in clause 2 of Schedule 3B (the ***clause 2 item***)—the amount mentioned in the clause 2 item".

31 Subregulation 40C(3)

Omit "the application fee for the licence is the sum of the application fees for each thing authorised to be done by the licence", substitute "the amount of the application fee for the licence is the sum of the amounts of the application fees that would have been applicable under subregulation (2) if applications for separate licences had been made for each of those things".

32 Subregulation 40D(1)

Omit "column 2 of an item in Group 1, 2 or 3 of Part 1", substitute "an item in a Group in the table in clause 1".

33 Subregulation 40D(2)

Omit "application fee", substitute "amount of the application fee for the licence".

34 Subparagraph 40D(2)(a)(i)

Omit "fee mentioned in column 3 of the provision in Part 2", substitute "amount mentioned in the item in the table in clause 2".

35 Subparagraph 40D(2)(a)(ii)

Omit "fees mentioned in column 3 of the provisions in Part 2", substitute "amounts mentioned in the items in the table in clause 2".

36 Paragraph 40D(2)(b)

Omit "fees mentioned in column 3 of the provisions in Part 2", substitute "amounts mentioned in the items in the table in clause 2".

37 Subregulation 48(2)

After "accordance with", insert "the following (as existing on 1 July 2015)".

38 Paragraphs 48(2)(a), (b) and (c)

Omit "and".

39 Paragraph 48(2)(d)

Repeal the paragraph, substitute:

(d) the *Code for the Safe Transport of Radioactive Material (2014) (Radiation Protection Series C-2)*.

Note: These documents could in 2015 be viewed on ARPANSA's website (http://www.arpansa.gov.au).

40 Subregulation 48(3)

Omit "following Codes of Practice", substitute "following (as existing on 1 July 2015)".

41 At the end of paragraph 48(3)(a)

Add "*(1985)*, published by the National Health and Medical Research Council".

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42 At the end of paragraph 48(3)(b)

Add "*(1992)*, published by the National Health and Medical Research Council".

43 Paragraph 48(3)(c)

Repeal the paragraph, substitute:

(c) the *Code for the Safe Transport of Radioactive Material (2014) (Radiation Protection Series C-2)*;

44 At the end of subregulation 48(3)

Add:

Note: These codes could in 2015 be viewed on ARPANSA's website (http://www.arpansa.gov.au).

45 Regulations 49, 50 and 51

Repeal the regulations, substitute:

49 Managing safety

(1) The holder of a facility licence must take all reasonably practicable steps to manage the safety of the facility, including:

(a) having in place plans and arrangements of the kind mentioned in item 4 of the table in clause 1 of Schedule 3; and

(b) ensuring that such plans and arrangements are implemented to the extent reasonably practicable.

(2) The holder of a source licence must take all reasonably practicable steps to manage the safety of the source, including:

(a) having in place plans and arrangements of the kind mentioned in item 4 of the table in clause 2 of Schedule 3; and

(b) ensuring that such plans and arrangements are implemented to the extent reasonably practicable.

50 Reviewing and updating plans and arrangements for managing safety

(1) The holder of a licence must, at least once every 3 years, review and update the plans and arrangements mentioned in regulation 49 in relation to the licence.

(2) The holder of a licence must keep and maintain records of any changes made to the plans and arrangements.

(3) Subregulation (1) does not apply to the extent that the licence makes other arrangements for a matter mentioned in that subregulation.

51 CEO approval for certain changes

The holder of a licence must seek the CEO's prior approval to do either of the following things if it will have significant implications for safety:

(a) change the details in the application for the licence;

(b) modify the source or facility mentioned in the licence.

46 Subregulation 52(1)

Omit "make a relevant change", substitute "do a thing mentioned in paragraph 51(a) or (b)".

47 Subregulation 52(2)

Repeal the subregulation, substitute:

(2) The holder of a licence must, within 3 months after doing a thing as mentioned in subregulation (1), tell the CEO about the thing.

48 Subregulation 52(3)

Omit "the subregulations", substitute "that subregulation".

49 Subregulation 53(1)

Omit "must only", substitute "may only".

50 After subregulation 53(1)

Insert:

(1A) The holder of a licence may only transfer controlled apparatus or controlled materials to another person (the ***transferee***):

(a) with the approval of the CEO; or

(b) if both of the following apply:

(i) the transferee is the holder of a facility licence or a source licence;

(ii) the transferee's licence authorises the transferee to receive the controlled apparatus or controlled materials.

51 Subregulation 53(2)

Repeal the subregulation, substitute:

(2) If the holder of a licence (the ***transferor***) transfers controlled apparatus or controlled materials to another person (the ***transferee***) under paragraph (1A)(b), the transferor must, within 7 days of the transfer, tell the CEO:

(a) that the transfer has happened; and

(b) the name of the transferee; and

(c) the number of the licence held by the transferee; and

(d) the location of the controlled apparatus or controlled materials after the transfer.

52 Subregulation 53(3)

Omit "or body".

53 Subregulation 53(4)

After "(1),", insert "(1A),".

54 Part 5 (heading)

Repeal the heading, substitute:

Part 5—Practices and procedures to be followed

55 Subregulations 58(1) and (2)

Repeal the subregulations, substitute:

(1) The holder of a facility licence for a controlled facility must ensure that the doses to which a person is exposed, inside or in connection with the facility, do not exceed the effective dose limits mentioned

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in regulation 59, and the equivalent dose limits mentioned in regulation 62.

56 Subregulation 58(4)

Repeal the subregulation, substitute:

(4) The holder of a licence must ensure that radiation protection and safety of the following relating to the licence are optimised in order to achieve the outcome mentioned in subregulation (4A):
  (a) controlled material;
  (b) controlled apparatus (other than apparatus prescribed by these regulations that produce harmful non-ionizing radiation when energised);
  (c) a controlled facility.

(4A) For subregulation (4), the outcome is that the following are as low as reasonably achievable after taking into account economic and societal factors:
  (a) the magnitude of individual doses;
  (b) the number of people who are exposed;
  (c) the likelihood of incurring exposures to radiation.

57 At the end of regulation 60

Add:

(3) For subregulation (1), a ***relevant period*** is:
  (a) for a controlled person—5 years; or
  (b) for a member of the public—1 year.

58 Regulation 61

After "mentioned in", insert "the table in clause 1 of".

59 Subregulation 62(1)

Repeal the subregulation, substitute:

(1) For occupational exposure, the equivalent dose limit to the lens of the eye is 20 mSv annually, averaged over 5 consecutive calendar years.

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(1A) However, the equivalent dose to the lens of the eye for a person subject to occupational exposure must not, in a year, be greater than 50 mSv.

(1B) The equivalent dose to the lens of the eye for a person subject to public exposure must not, in a year, be greater than 15 mSv.

60 Division 5.3 (heading)

Repeal the heading, substitute:

Division 5.3—Practices and procedures

61 Regulation 62A (heading)

Repeal the heading, substitute:

62A Practices and procedures

62 Subregulations 62A(1) and (2)

Omit "codes of practice", substitute "codes".

63 Subregulation 62A(2)

After "follows", insert "(as existing on 1 July 2015)".

64 Paragraph 62A(2)(c)

Repeal the paragraph, substitute:

(c) the *Code for the Safe Transport of Radioactive Material (2014) (Radiation Protection Series C-2)*.

Note: These codes could in 2015 be viewed on ARPANSA's website (http://www.arpansa.gov.au).

65 Schedule 1 (before the table)

Insert:

1 Exposure limits for non-ionizing radiation

The following table sets out exposure limits for non-ionizing radiation.

66 Schedule 1 (table item 1)

Repeal the item, substitute:

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Exposure limits for non-ionizing radiation

Item	Exposure limits
1	The exposure limits mentioned in the *Interim guidelines on limits of exposure to 50/60 Hz electric and magnetic fields (1989)*, National Health and Medical Research Council, Radiation Health Series No. 30, as in force when these regulations commence.

67 At the end of Schedule 1

Add:

Note: The documents mentioned in items 1, 3 and 6 of the table could in 2015 be viewed on ARPANSA's website (http://www.arpansa.gov.au).

68 Schedule 2 (note to Schedule heading)

After "regulations", insert "3A,".

69 Part 1 of Schedule 2 (heading)

Repeal the heading, substitute:

Part 1—Exempt dealings

70 Part 1 of Schedule 2 (after the heading)

Insert:

1 Exempt dealings

The following table sets out dealings that are exempt dealings.

71 Part 1 of Schedule 2 (table, headings)

Repeal the headings, substitute:

Exempt dealings

Item	Description of dealing

72 Part 1 of Schedule 2 (table item 1, column headed "Description of dealing", paragraph (a))

Omit "concentration for the material mentioned in column 3 of Part 2", substitute "activity concentration value for the material set out in an item in the table in clause 2".

73 Part 1 of Schedule 2 (table item 1, column headed "Description of dealing", paragraph (b))

Omit "of less than the activity in column 4 of Part 2", substitute "less than the activity value for the material set out in that item".

74 Part 1 of Schedule 2 (table item 2, column headed "Description of dealing", paragraph (a))

Omit "activity for the material in column 4 of Part 2", substitute "activity value for the material set out in an item in the table in clause 2".

75 Part 1 of Schedule 2 (table item 2, column headed "Description of dealing", paragraph (b))

Omit "activity concentration for the material in column 3 of Part 2", substitute "activity concentration value for the material set out in that item".

76 Part 1 of Schedule 2 (table item 4, column headed "Description of dealing", paragraph (c))

Omit "*Code of Practice for the Safe Transport of Radioactive Material (2008) (Radiation Protection Series No. 2)*", substitute "*Code for the Safe Transport of Radioactive Material (2014) (Radiation Protection Series C-2)*".

77 Part 1 of Schedule 2 (table item 7, column headed "Description of dealing", paragraph (a))

Repeal the paragraph.

78 Part 1 of Schedule 2 (at the end of the cell at table item 7, column headed "Description of dealing")

Add:

; (h) an electron capture detector or similar device used in gas chromatography containing:

(i) a nickel-63 sealed source with activity not more than 750 MBq; or

(ii) a tritium source with activity not more than 20 GBq;

(i) lighting products that include krypton-85.

79 Part 1 of Schedule 2 (at the end of the table)

Add:

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9	The dealing involves a sealed radioactive source used for teaching the characteristics and properties of radiation or radiation sources, and the sealed source contains one or more of the following: (a) Cobalt-60 with an activity not greater than 200 kBq; (b) Strontium-90 with an activity not greater than 80 kBq; (c) Caesium-137 with an activity not greater than 200 kBq; (d) Radium-226 with an activity not greater than 20 kBq; (e) Americium-241 with an activity not greater than 40 kBq.
10	The dealing involves a geological sample that: (a) contains radioactive material that emits radiation at a level not exceeding 5 micrograys an hour, measured at a distance of 10 cm from its surface; and (b) is being used as a sample in teaching or for display as a geological specimen.

80 At the end of Part 1 of Schedule 2

Add:

Note: The code mentioned in item 4 of the table could in 2015 be viewed on ARPANSA's website (http://www.arpansa.gov.au).

81 Parts 2, 3 and 4 of Schedule 2

Repeal the Parts, substitute:

Part 2—Activity concentration values and activity values for nuclides

2 Activity concentration values and activity values for nuclides

The following table sets out activity concentration values and activity values for nuclides.

Note 1: The activity of a progeny nuclide included in secular equilibrium with a parent nuclide is dealt with in regulation 3A. Parent nuclides and progeny nuclides are set out in the table in clause 3, and parent nuclides are also marked [a] in the following table.

Note 2: A nuclide marked m or m' in the following table indicates a metastable state of the nuclide, with the metastable state m' indicating a state of higher energy than the metastable state m.

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Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
1	H-3	1×10^6	1×10^9
2	Be-7	1×10^3	1×10^7
3	Be-10	1×10^4	1×10^6
4	C-11	1×10^1	1×10^6
5	C-14	1×10^4	1×10^7
6	Ne-13	1×10^2	1×10^9
7	Ne-19	1×10^2	1×10^9
8	O-15	1×10^2	1×10^9
9	F-18	1×10^1	1×10^6
10	Na-22	1×10^1	1×10^6
11	Na-24	1×10^1	1×10^5
12	Mg-28	1×10^1	1×10^5
13	Al-26	1×10^1	1×10^5
14	Si-31	1×10^3	1×10^6
15	Si-32	1×10^3	1×10^6
16	P-32	1×10^3	1×10^5
17	P-33	1×10^5	1×10^8
18	S-35	1×10^5	1×10^8
19	Cl-36	1×10^4	1×10^6
20	Cl-38	1×10^1	1×10^5
21	Cl-39	1×10^1	1×10^5
22	Ar-37	1×10^6	1×10^8
23	Ar-39	1×10^7	1×10^4
24	Ar-41	1×10^2	1×10^9
25	K-40	1×10^2	1×10^6
26	K-42	1×10^2	1×10^6
27	K-43	1×10^1	1×10^6
28	K-44	1×10^1	1×10^5
29	K-45	1×10^1	1×10^5
30	Ca-41	1×10^5	1×10^7

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
31	Ca-45	1×10^4	1×10^7
32	Ca-47	1×10^1	1×10^6
33	Sc-43	1×10^1	1×10^6
34	Sc-44	1×10^1	1×10^5
35	Sc-45	1×10^2	1×10^7
36	Sc-46	1×10^1	1×10^6
37	Sc-47	1×10^2	1×10^6
38	Sc-48	1×10^1	1×10^5
39	Sc-49	1×10^3	1×10^5
40	Ti-44	1×10^1	1×10^5
41	Ti-45	1×10^1	1×10^6
42	V-47	1×10^1	1×10^5
43	V-48	1×10^1	1×10^5
44	V-49	1×10^4	1×10^7
45	Cr-48	1×10^2	1×10^6
46	Cr-49	1×10^1	1×10^6
47	Cr-51	1×10^3	1×10^7
48	Mn-51	1×10^1	1×10^5
49	Mn-52	1×10^1	1×10^5
50	Mn-52m	1×10^1	1×10^5
51	Mn-53	1×10^4	1×10^9
52	Mn-54	1×10^1	1×10^6
53	Mn-56	1×10^1	1×10^5
54	Fe-52	1×10^1	1×10^6
55	Fe-55	1×10^4	1×10^6
56	Fe-59	1×10^1	1×10^6
57	Fe-60	1×10^2	1×10^5
58	Co-55	1×10^1	1×10^6
59	Co-56	1×10^1	1×10^5
60	Co-57	1×10^2	1×10^6
61	Co-58	1×10^1	1×10^6

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
62	Co-58m	1×10^4	1×10^7
63	Co-60	1×10^1	1×10^5
64	Co-60m	1×10^3	1×10^6
65	Co-61	1×10^2	1×10^6
66	Co-62m	1×10^1	1×10^5
67	Ni-56	1×10^1	1×10^6
68	Ni-57	1×10^1	1×10^6
69	Ni-59	1×10^4	1×10^8
70	Ni-63	1×10^5	1×10^8
71	Ni-65	1×10^1	1×10^6
72	Ni-66	1×10^4	1×10^7
73	Cu-60	1×10^1	1×10^5
74	Cu-61	1×10^1	1×10^6
75	Cu-64	1×10^2	1×10^6
76	Cu-67	1×10^2	1×10^6
77	Zn-62	1×10^2	1×10^6
78	Zn-63	1×10^1	1×10^5
79	Zn-65	1×10^1	1×10^6
80	Zn-69	1×10^4	1×10^6
81	Zn-69m	1×10^2	1×10^6
82	Zn-71m	1×10^1	1×10^6
83	Zn-72	1×10^2	1×10^6
84	Ga-65	1×10^1	1×10^5
85	Ga-66	1×10^1	1×10^5
86	Ga-67	1×10^2	1×10^6
87	Ga-68	1×10^1	1×10^5
88	Ga-70	1×10^2	1×10^6
89	Ga-72	1×10^1	1×10^5
90	Ga-73	1×10^2	1×10^6
91	Ge-66	1×10^1	1×10^6

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
92	Ge-67	1×10^{1}	1×10^{5}
93	Ge-68[a]	1×10^{1}	1×10^{5}
94	Ge-69	1×10^{1}	1×10^{6}
95	Ge-71	1×10^{4}	1×10^{8}
96	Ge-75	1×10^{3}	1×10^{6}
97	Ge-77	1×10^{1}	1×10^{5}
98	Ge-78	1×10^{2}	1×10^{6}
99	As-69	1×10^{1}	1×10^{5}
100	As-70	1×10^{1}	1×10^{5}
101	As-71	1×10^{1}	1×10^{6}
102	As-72	1×10^{1}	1×10^{5}
103	As-73	1×10^{3}	1×10^{7}
104	As-74	1×10^{1}	1×10^{6}
105	As-76	1×10^{2}	1×10^{5}
106	As-77	1×10^{3}	1×10^{6}
107	As-78	1×10^{1}	1×10^{5}
108	Se-70	1×10^{1}	1×10^{6}
109	Se-73	1×10^{1}	1×10^{6}
110	Se-73m	1×10^{2}	1×10^{6}
111	Se-75	1×10^{2}	1×10^{6}
112	Se-79	1×10^{4}	1×10^{7}
113	Se-81	1×10^{3}	1×10^{6}
114	Se-81m	1×10^{3}	1×10^{7}
115	Se-83	1×10^{1}	1×10^{5}
116	Br-74	1×10^{1}	1×10^{5}
117	Br-74m	1×10^{1}	1×10^{5}
118	Br-75	1×10^{1}	1×10^{6}
119	Br-76	1×10^{1}	1×10^{5}
120	Br-77	1×10^{2}	1×10^{6}
121	Br-80	1×10^{2}	1×10^{5}
122	Br-80m	1×10^{3}	1×10^{7}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
123	Br-82	1×10^{1}	1×10^{6}
124	Br-83	1×10^{3}	1×10^{6}
125	Br-84	1×10^{1}	1×10^{5}
126	Kr-74	1×10^{2}	1×10^{9}
127	Kr-76	1×10^{2}	1×10^{9}
128	Kr-77	1×10^{2}	1×10^{9}
129	Kr-79	1×10^{3}	1×10^{5}
130	Kr-81	1×10^{4}	1×10^{7}
131	Kr-81m	1×10^{3}	1×10^{10}
132	Kr-83m	1×10^{5}	1×10^{12}
133	Kr-85	1×10^{5}	1×10^{4}
134	Kr-85m	1×10^{3}	1×10^{10}
135	Kr-87	1×10^{2}	1×10^{9}
136	Kr-88	1×10^{2}	1×10^{9}
137	Rb-79	1×10^{1}	1×10^{5}
138	Rb-81	1×10^{1}	1×10^{6}
139	Rb-81m	1×10^{3}	1×10^{7}
140	Rb-82m	1×10^{1}	1×10^{6}
141	Rb-83[a]	1×10^{2}	1×10^{6}
142	Rb-84	1×10^{1}	1×10^{6}
143	Rb-86	1×10^{2}	1×10^{5}
144	Rb-87	1×10^{3}	1×10^{7}
145	Rb-88	1×10^{2}	1×10^{5}
146	Rb-89	1×10^{2}	1×10^{5}
147	Sr-80	1×10^{3}	1×10^{7}
148	Sr-81	1×10^{1}	1×10^{5}
149	Sr-82[a]	1×10^{1}	1×10^{5}
150	Sr-83	1×10^{1}	1×10^{6}
151	Sr-85	1×10^{2}	1×10^{6}
152	Sr-85m	1×10^{2}	1×10^{7}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
153	Sr-87m	1×10^2	1×10^6
154	Sr-89	1×10^3	1×10^6
155	Sr-90[a]	1×10^2	1×10^4
156	Sr-91	1×10^1	1×10^5
157	Sr-92	1×10^1	1×10^6
158	Y-86	1×10^1	1×10^5
159	Y-86m	1×10^2	1×10^7
160	Y-87[a]	1×10^1	1×10^6
161	Y-88	1×10^1	1×10^6
162	Y-90	1×10^3	1×10^5
163	Y-90m	1×10^1	1×10^6
164	Y-91	1×10^3	1×10^6
165	Y-91m	1×10^2	1×10^6
166	Y-92	1×10^2	1×10^5
167	Y-93	1×10^2	1×10^5
168	Y-94	1×10^1	1×10^5
169	Y-95	1×10^1	1×10^5
170	Zr-86	1×10^2	1×10^7
171	Zr-88	1×10^2	1×10^6
172	Zr-89	1×10^1	1×10^6
173	Zr-93[a]	1×10^3	1×10^7
174	Zr-95	1×10^1	1×10^6
175	Zr-97[a]	1×10^1	1×10^5
176	Nb-88	1×10^1	1×10^5
177	Nb-89	1×10^1	1×10^5
178	Nb-89m	1×10^1	1×10^5
179	Nb-90	1×10^1	1×10^5
180	Nb-93m	1×10^4	1×10^7
181	Nb-94	1×10^1	1×10^6
182	Nb-95	1×10^1	1×10^6
183	Nb-95m	1×10^2	1×10^7

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
184	Nb-96	1×10^{1}	1×10^{5}
185	Nb-97	1×10^{1}	1×10^{6}
186	Nb-98	1×10^{1}	1×10^{5}
187	Mo-90	1×10^{1}	1×10^{6}
188	Mo-93	1×10^{3}	1×10^{8}
189	Mo-93m	1×10^{1}	1×10^{6}
190	Mo-99	1×10^{2}	1×10^{6}
191	Mo-101	1×10^{1}	1×10^{6}
192	Tc-93	1×10^{1}	1×10^{6}
193	Tc-93m	1×10^{1}	1×10^{6}
194	Tc-94	1×10^{1}	1×10^{6}
195	Tc-94m	1×10^{1}	1×10^{5}
196	Tc-95	1×10^{1}	1×10^{6}
197	Tc-95m	1×10^{1}	1×10^{6}
198	Tc-96	1×10^{1}	1×10^{6}
199	Tc-96m	1×10^{3}	1×10^{7}
200	Tc-97	1×10^{3}	1×10^{8}
201	Tc-97m	1×10^{3}	1×10^{7}
202	Tc-98	1×10^{1}	1×10^{6}
203	Tc-99	1×10^{4}	1×10^{7}
204	Tc-99m	1×10^{2}	1×10^{7}
205	Tc-101	1×10^{2}	1×10^{6}
206	Tc-104	1×10^{1}	1×10^{5}
207	Ru-94	1×10^{2}	1×10^{6}
208	Ru-97	1×10^{2}	1×10^{7}
209	Ru-103	1×10^{2}	1×10^{6}
210	Ru-105	1×10^{1}	1×10^{6}
211	Ru-106[a]	1×10^{2}	1×10^{5}
212	Rh-99	1×10^{1}	1×10^{6}
213	Rh-99m	1×10^{1}	1×10^{6}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
214	Rh-100	1×10^{1}	1×10^{6}
215	Rh-101	1×10^{2}	1×10^{7}
216	Rh-101m	1×10^{2}	1×10^{7}
217	Rh-102	1×10^{1}	1×10^{6}
218	Rh-102m	1×10^{2}	1×10^{6}
219	Rh-103m	1×10^{4}	1×10^{8}
220	Rh-105	1×10^{2}	1×10^{7}
221	Rh-106m	1×10^{1}	1×10^{5}
222	Rh-107	1×10^{2}	1×10^{6}
223	Pd-100	1×10^{2}	1×10^{7}
224	Pd-101	1×10^{2}	1×10^{6}
225	Pd-103	1×10^{3}	1×10^{8}
226	Pd-107	1×10^{5}	1×10^{8}
227	Pd-109	1×10^{3}	1×10^{6}
228	Ag-102	1×10^{1}	1×10^{5}
229	Ag-103	1×10^{1}	1×10^{6}
230	Ag-104	1×10^{1}	1×10^{6}
231	Ag-104m	1×10^{1}	1×10^{6}
232	Ag-105	1×10^{2}	1×10^{6}
233	Ag-106	1×10^{1}	1×10^{6}
234	Ag-106m	1×10^{1}	1×10^{6}
235	Ag-108m[a]	1×10^{1}	1×10^{6}
236	Ag-110m	1×10^{1}	1×10^{6}
237	Ag-111	1×10^{3}	1×10^{6}
238	Ag-112	1×10^{1}	1×10^{5}
239	Ag-115	1×10^{1}	1×10^{5}
240	Cd-104	1×10^{2}	1×10^{7}
241	Cd-107	1×10^{3}	1×10^{7}
242	Cd-109	1×10^{4}	1×10^{6}
243	Cd-113	1×10^{3}	1×10^{6}
244	Cd-113m	1×10^{3}	1×10^{6}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
245	Cd-115	1×10^2	1×10^6
246	Cd-115m	1×10^3	1×10^6
247	Cd-117	1×10^1	1×10^6
248	Cd-117m	1×10^1	1×10^6
249	In-109	1×10^1	1×10^6
250	In-110	1×10^1	1×10^6
251	In-110m	1×10^1	1×10^5
252	In-111	1×10^2	1×10^6
253	In-112	1×10^2	1×10^6
254	In-113m	1×10^2	1×10^6
255	In-114	1×10^3	1×10^5
256	In-114m	1×10^2	1×10^6
257	In-115	1×10^3	1×10^5
258	In-115m	1×10^2	1×10^6
259	In-116m	1×10^1	1×10^5
260	In-117	1×10^1	1×10^6
261	In-117m	1×10^2	1×10^6
262	In-119m	1×10^2	1×10^5
263	Sn-110	1×10^2	1×10^7
264	Sn-111	1×10^2	1×10^6
265	Sn-113	1×10^3	1×10^7
266	Sn-117m	1×10^2	1×10^6
267	Sn-119m	1×10^3	1×10^7
268	Sn-121	1×10^5	1×10^7
269	Sn-121m[a]	1×10^3	1×10^7
270	Sn-123	1×10^3	1×10^6
271	Sn-123m	1×10^2	1×10^6
272	Sn-125	1×10^2	1×10^5
273	Sn-126[a]	1×10^1	1×10^5
274	Sn-127	1×10^1	1×10^6

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
275	Sn-128	1×10^{1}	1×10^{6}
276	Sb-115	1×10^{1}	1×10^{6}
277	Sb-116	1×10^{1}	1×10^{6}
278	Sb-116m	1×10^{1}	1×10^{5}
279	Sb-117	1×10^{2}	1×10^{7}
280	Sb-118m	1×10^{1}	1×10^{6}
281	Sb-119	1×10^{3}	1×10^{7}
282	Sb-120	1×10^{2}	1×10^{6}
283	Sb-120m	1×10^{1}	1×10^{6}
284	Sb-122	1×10^{2}	1×10^{4}
285	Sb-124	1×10^{1}	1×10^{6}
286	Sb-124m	1×10^{2}	1×10^{6}
287	Sb-125	1×10^{2}	1×10^{6}
288	Sb-126	1×10^{1}	1×10^{5}
289	Sb-126m	1×10^{1}	1×10^{5}
290	Sb-127	1×10^{1}	1×10^{6}
291	Sb-128	1×10^{1}	1×10^{5}
292	Sb-128m	1×10^{1}	1×10^{5}
293	Sb-129	1×10^{1}	1×10^{6}
294	Sb-130	1×10^{1}	1×10^{5}
295	Sb-131	1×10^{1}	1×10^{6}
296	Te-116	1×10^{2}	1×10^{7}
297	Te-121	1×10^{1}	1×10^{6}
298	Te-121m	1×10^{2}	1×10^{6}
299	Te-123	1×10^{3}	1×10^{6}
300	Te-123m	1×10^{2}	1×10^{7}
301	Te-125m	1×10^{3}	1×10^{7}
302	Te-127	1×10^{3}	1×10^{6}
303	Te-127m	1×10^{3}	1×10^{7}
304	Te-129	1×10^{2}	1×10^{6}
305	Te-129m	1×10^{3}	1×10^{6}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
306	Te-131	1×10^2	1×10^5
307	Te-131m	1×10^1	1×10^6
308	Te-132	1×10^2	1×10^7
309	Te-133	1×10^1	1×10^5
310	Te-133m	1×10^1	1×10^5
311	Te-134	1×10^1	1×10^6
312	I-120	1×10^1	1×10^5
313	I-120m	1×10^1	1×10^5
314	I-121	1×10^2	1×10^6
315	I-123	1×10^2	1×10^7
316	I-124	1×10^1	1×10^6
317	I-125	1×10^3	1×10^6
318	I-126	1×10^2	1×10^6
319	I-128	1×10^2	1×10^5
320	I-129	1×10^2	1×10^5
321	I-130	1×10^1	1×10^6
322	I-131	1×10^2	1×10^6
323	I-132	1×10^1	1×10^5
324	I-132m	1×10^2	1×10^6
325	I-133	1×10^1	1×10^6
326	I-134	1×10^1	1×10^5
327	I-135	1×10^1	1×10^6
328	Xe-120	1×10^2	1×10^9
329	Xe-121	1×10^2	1×10^9
330	Xe-122[a]	1×10^2	1×10^9
331	Xe-123	1×10^2	1×10^9
332	Xe-125	1×10^3	1×10^9
333	Xe-127	1×10^3	1×10^5
334	Xe-129m	1×10^3	1×10^4
335	Xe-131m	1×10^4	1×10^4

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
336	Xe-133m	1×10^3	1×10^4
337	Xe-133	1×10^3	1×10^4
338	Xe-135	1×10^3	1×10^{10}
339	Xe-135m	1×10^2	1×10^9
340	Xe-138	1×10^2	1×10^9
341	Cs-125	1×10^1	1×10^4
342	Cs-127	1×10^2	1×10^5
343	Cs-129	1×10^2	1×10^5
344	Cs-130	1×10^2	1×10^6
345	Cs-131	1×10^3	1×10^6
346	Cs-132	1×10^1	1×10^5
347	Cs-134m	1×10^3	1×10^5
348	Cs-134	1×10^1	1×10^4
349	Cs-135	1×10^4	1×10^7
350	Cs-135m	1×10^1	1×10^6
351	Cs-136	1×10^1	1×10^5
352	Cs-137[a]	1×10^1	1×10^4
353	Cs-138	1×10^1	1×10^4
354	Ba-126	1×10^2	1×10^7
355	Ba-128	1×10^2	1×10^7
356	Ba-131	1×10^2	1×10^6
357	Ba-131m	1×10^2	1×10^7
358	Ba-133	1×10^2	1×10^6
359	Ba-133m	1×10^2	1×10^6
360	Ba-135m	1×10^2	1×10^6
361	Ba-137m	1×10^1	1×10^6
362	Ba-139	1×10^2	1×10^5
363	Ba-140[a]	1×10^1	1×10^5
364	Ba-141	1×10^2	1×10^5
365	Ba-142	1×10^2	1×10^6
366	La-131	1×10^1	1×10^6

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
367	La-132	1×10^{1}	1×10^{6}
368	La-135	1×10^{3}	1×10^{7}
369	La-137	1×10^{3}	1×10^{7}
370	La-138	1×10^{1}	1×10^{6}
371	La-140	1×10^{1}	1×10^{5}
372	La-141	1×10^{2}	1×10^{5}
373	La-142	1×10^{1}	1×10^{5}
374	La-143	1×10^{2}	1×10^{5}
375	Ce-134	1×10^{3}	1×10^{7}
376	Ce-135	1×10^{1}	1×10^{6}
377	Ce-137	1×10^{3}	1×10^{7}
378	Ce-137m	1×10^{3}	1×10^{6}
379	Ce-139	1×10^{2}	1×10^{6}
380	Ce-141	1×10^{2}	1×10^{7}
381	Ce-143	1×10^{2}	1×10^{6}
382	Ce-144[a]	1×10^{2}	1×10^{5}
383	Pr-136	1×10^{1}	1×10^{5}
384	Pr-137	1×10^{2}	1×10^{6}
385	Pr-138m	1×10^{1}	1×10^{6}
386	Pr-139	1×10^{2}	1×10^{7}
387	Pr-142	1×10^{2}	1×10^{5}
388	Pr-142m	1×10^{7}	1×10^{9}
389	Pr-143	1×10^{4}	1×10^{6}
390	Pr-144	1×10^{2}	1×10^{5}
391	Pr-145	1×10^{3}	1×10^{5}
392	Pr-147	1×10^{1}	1×10^{5}
393	Nd-136	1×10^{2}	1×10^{6}
394	Nd-138	1×10^{3}	1×10^{7}
395	Nd-139	1×10^{2}	1×10^{6}
396	Nd-139m	1×10^{1}	1×10^{6}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
397	Nd-141	1×10^{2}	1×10^{7}
398	Nd-147	1×10^{2}	1×10^{6}
399	Nd-149	1×10^{2}	1×10^{6}
400	Nd-151	1×10^{1}	1×10^{5}
401	Pm-141	1×10^{1}	1×10^{5}
402	Pm-143	1×10^{2}	1×10^{6}
403	Pm-144	1×10^{1}	1×10^{6}
404	Pm-145	1×10^{3}	1×10^{7}
405	Pm-146	1×10^{1}	1×10^{6}
406	Pm-147	1×10^{4}	1×10^{7}
407	Pm-148	1×10^{1}	1×10^{5}
408	Pm-148m	1×10^{1}	1×10^{6}
409	Pm-149	1×10^{3}	1×10^{6}
410	Pm-150	1×10^{1}	1×10^{5}
411	Pm-151	1×10^{2}	1×10^{6}
412	Sm-141	1×10^{1}	1×10^{5}
413	Sm-141m	1×10^{1}	1×10^{6}
414	Sm-142	1×10^{2}	1×10^{7}
415	Sm-145	1×10^{2}	1×10^{7}
416	Sm-146	1×10^{1}	1×10^{5}
417	Sm-147	1×10^{1}	1×10^{4}
418	Sm-151	1×10^{4}	1×10^{8}
419	Sm-153	1×10^{2}	1×10^{6}
420	Sm-155	1×10^{2}	1×10^{6}
421	Sm-156	1×10^{2}	1×10^{6}
422	Eu-145	1×10^{1}	1×10^{6}
423	Eu-146	1×10^{1}	1×10^{6}
424	Eu-147	1×10^{2}	1×10^{6}
425	Eu-148	1×10^{1}	1×10^{6}
426	Eu-149	1×10^{2}	1×10^{7}
427	Eu-150	1×10^{1}	1×10^{6}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
428	Eu-150m	1×10^3	1×10^6
429	Eu-152	1×10^1	1×10^6
430	Eu-152m	1×10^2	1×10^6
431	Eu-154	1×10^1	1×10^6
432	Eu-155	1×10^2	1×10^7
433	Eu-156	1×10^1	1×10^6
434	Eu-157	1×10^2	1×10^6
435	Eu-158	1×10^1	1×10^5
436	Gd-145	1×10^1	1×10^5
437	Gd-146[a]	1×10^1	1×10^6
438	Gd-147	1×10^1	1×10^6
439	Gd-148	1×10^1	1×10^4
440	Gd-149	1×10^2	1×10^6
441	Gd-151	1×10^2	1×10^7
442	Gd-152	1×10^1	1×10^4
443	Gd-153	1×10^2	1×10^7
444	Gd-159	1×10^3	1×10^6
445	Tb-147	1×10^1	1×10^6
446	Tb-149	1×10^1	1×10^6
447	Tb-150	1×10^1	1×10^6
448	Tb-151	1×10^1	1×10^6
449	Tb-153	1×10^2	1×10^7
450	Tb-154	1×10^1	1×10^6
451	Tb-155	1×10^2	1×10^7
452	Tb-156	1×10^1	1×10^6
453	Tb-156 (24.4 h)	1×10^3	1×10^7
454	Tb-156m’ (5 h)	1×10^4	1×10^7
455	Tb-157	1×10^4	1×10^7
456	Tb-158	1×10^1	1×10^6
457	Tb-160	1×10^1	1×10^6

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
458	Tb-161	1×10^3	1×10^6
459	Dy-155	1×10^1	1×10^6
460	Dy-157	1×10^2	1×10^6
461	Dy-159	1×10^3	1×10^7
462	Dy-165	1×10^3	1×10^6
463	Dy-166	1×10^3	1×10^6
464	Ho-155	1×10^2	1×10^6
465	Ho-157	1×10^2	1×10^6
466	Ho-159	1×10^2	1×10^6
467	Ho-161	1×10^2	1×10^7
468	Ho-162	1×10^2	1×10^7
469	Ho-162m	1×10^1	1×10^6
470	Ho-164	1×10^3	1×10^6
471	Ho-164m	1×10^3	1×10^7
472	Ho-166	1×10^3	1×10^5
473	Ho-166m	1×10^1	1×10^6
474	Ho-167	1×10^2	1×10^6
475	Er-161	1×10^1	1×10^6
476	Er-165	1×10^3	1×10^7
477	Er-169	1×10^4	1×10^7
478	Er-171	1×10^2	1×10^6
479	Er-172	1×10^2	1×10^6
480	Tm-162	1×10^1	1×10^6
481	Tm-166	1×10^1	1×10^6
482	Tm-167	1×10^2	1×10^6
483	Tm-170	1×10^3	1×10^6
484	Tm-171	1×10^4	1×10^8
485	Tm-172	1×10^2	1×10^6
486	Tm-173	1×10^2	1×10^6
487	Tm-175	1×10^1	1×10^6
488	Yb-162	1×10^2	1×10^7

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
489	Yb-166	1×10^2	1×10^7
490	Yb-167	1×10^2	1×10^6
491	Yb-169	1×10^2	1×10^7
492	Yb-175	1×10^3	1×10^7
493	Yb-177	1×10^2	1×10^6
494	Yb-178	1×10^3	1×10^6
495	Lu-169	1×10^1	1×10^6
496	Lu-170	1×10^1	1×10^6
497	Lu-171	1×10^1	1×10^6
498	Lu-172	1×10^1	1×10^6
499	Lu-173	1×10^2	1×10^7
500	Lu-174	1×10^2	1×10^7
501	Lu-174m	1×10^2	1×10^7
502	Lu-176	1×10^2	1×10^6
503	Lu-176m	1×10^3	1×10^6
504	Lu-177	1×10^3	1×10^7
505	Lu-177m	1×10^1	1×10^6
506	Lu-178	1×10^2	1×10^5
507	Lu-178m	1×10^1	1×10^5
508	Lu-179	1×10^3	1×10^6
509	Hf-170	1×10^2	1×10^6
510	Hf-172[a]	1×10^1	1×10^6
511	Hf-173	1×10^2	1×10^6
512	Hf-175	1×10^2	1×10^6
513	Hf-177m	1×10^1	1×10^5
514	Hf-178m	1×10^1	1×10^6
515	Hf-179m	1×10^1	1×10^6
516	Hf-180m	1×10^1	1×10^6
517	Hf-181	1×10^1	1×10^6
518	Hf-182	1×10^2	1×10^6

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
519	Hf-182m	1×10^{1}	1×10^{6}
520	Hf-183	1×10^{1}	1×10^{6}
521	Hf-184	1×10^{2}	1×10^{6}
522	Ta-172	1×10^{1}	1×10^{6}
523	Ta-173	1×10^{1}	1×10^{6}
524	Ta-174	1×10^{1}	1×10^{6}
525	Ta-175	1×10^{1}	1×10^{6}
526	Ta-176	1×10^{1}	1×10^{6}
527	Ta-177	1×10^{2}	1×10^{7}
528	Ta-178	1×10^{1}	1×10^{6}
529	Ta-179	1×10^{3}	1×10^{7}
530	Ta-180	1×10^{1}	1×10^{6}
531	Ta-180m	1×10^{3}	1×10^{7}
532	Ta-182	1×10^{1}	1×10^{4}
533	Ta-182m	1×10^{2}	1×10^{6}
534	Ta-183	1×10^{2}	1×10^{6}
535	Ta-184	1×10^{1}	1×10^{6}
536	Ta-185	1×10^{2}	1×10^{5}
537	Ta-186	1×10^{1}	1×10^{5}
538	W-176	1×10^{2}	1×10^{6}
539	W-177	1×10^{1}	1×10^{6}
540	W-178[a]	1×10^{1}	1×10^{6}
541	W-179	1×10^{2}	1×10^{7}
542	W-181	1×10^{3}	1×10^{7}
543	W-185	1×10^{4}	1×10^{7}
544	W-187	1×10^{2}	1×10^{6}
545	W-188[a]	1×10^{2}	1×10^{5}
546	Re-177	1×10^{1}	1×10^{6}
547	Re-178	1×10^{1}	1×10^{6}
548	Re-181	1×10^{1}	1×10^{6}
549	Re-182	1×10^{1}	1×10^{6}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
550	Re-182m	1×10^{1}	1×10^{6}
551	Re-184	1×10^{1}	1×10^{6}
552	Re-184m	1×10^{2}	1×10^{6}
553	Re-186	1×10^{3}	1×10^{6}
554	Re-186m	1×10^{3}	1×10^{7}
555	Re-187	1×10^{6}	1×10^{9}
556	Re-188	1×10^{2}	1×10^{5}
557	Re-188m	1×10^{2}	1×10^{7}
558	Re-189[a]	1×10^{2}	1×10^{6}
559	Os-180	1×10^{2}	1×10^{7}
560	Os-181	1×10^{1}	1×10^{6}
561	Os-182	1×10^{2}	1×10^{6}
562	Os-185	1×10^{1}	1×10^{6}
563	Os-189m	1×10^{4}	1×10^{7}
564	Os-191	1×10^{2}	1×10^{7}
565	Os-191m	1×10^{3}	1×10^{7}
566	Os-193	1×10^{2}	1×10^{6}
567	Os-194[a]	1×10^{2}	1×10^{5}
568	Ir-182	1×10^{1}	1×10^{5}
569	Ir-184	1×10^{1}	1×10^{6}
570	Ir-185	1×10^{1}	1×10^{6}
571	Ir-186	1×10^{1}	1×10^{6}
572	Ir-186m	1×10^{1}	1×10^{6}
573	Ir-187	1×10^{2}	1×10^{6}
574	Ir-188	1×10^{1}	1×10^{6}
575	Ir-189[a]	1×10^{2}	1×10^{7}
576	Ir-190	1×10^{1}	1×10^{6}
577	Ir-190m (3.1 h)	1×10^{1}	1×10^{6}
578	Ir-190m' (1.2 h)	1×10^{4}	1×10^{7}
579	Ir-192	1×10^{1}	1×10^{4}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
580	Ir-192m	1×10^{2}	1×10^{7}
581	Ir-193m	1×10^{4}	1×10^{7}
582	Ir-194	1×10^{2}	1×10^{5}
583	Ir-194m	1×10^{1}	1×10^{6}
584	Ir-195	1×10^{2}	1×10^{6}
585	Ir-195m	1×10^{2}	1×10^{6}
586	Pt-186	1×10^{1}	1×10^{6}
587	Pt-188[a]	1×10^{1}	1×10^{6}
588	Pt-189	1×10^{2}	1×10^{6}
589	Pt-191	1×10^{2}	1×10^{6}
590	Pt-193	1×10^{4}	1×10^{7}
591	Pt-193m	1×10^{3}	1×10^{7}
592	Pt-195m	1×10^{2}	1×10^{6}
593	Pt-197	1×10^{3}	1×10^{6}
594	Pt-197m	1×10^{2}	1×10^{6}
595	Pt-199	1×10^{2}	1×10^{6}
596	Pt-200	1×10^{2}	1×10^{6}
597	Au-193	1×10^{2}	1×10^{7}
598	Au-194	1×10^{1}	1×10^{6}
599	Au-195	1×10^{2}	1×10^{7}
600	Au-198	1×10^{2}	1×10^{6}
601	Au-198m	1×10^{1}	1×10^{6}
602	Au-199	1×10^{2}	1×10^{6}
603	Au-200	1×10^{2}	1×10^{5}
604	Au-200m	1×10^{1}	1×10^{6}
605	Au-201	1×10^{2}	1×10^{6}
606	Hg-193	1×10^{2}	1×10^{6}
607	Hg-193m	1×10^{1}	1×10^{6}
608	Hg-194[a]	1×10^{1}	1×10^{6}
609	Hg-195	1×10^{2}	1×10^{6}
610	Hg-195m[a]	1×10^{2}	1×10^{6}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
611	Hg-197	1×10^{2}	1×10^{7}
612	Hg-197m	1×10^{2}	1×10^{6}
613	Hg-199m	1×10^{2}	1×10^{6}
614	Hg-203	1×10^{2}	1×10^{5}
615	Tl-194	1×10^{1}	1×10^{6}
616	Tl-194m	1×10^{1}	1×10^{6}
617	Tl-195	1×10^{1}	1×10^{6}
618	Tl-197	1×10^{2}	1×10^{6}
619	Tl-198	1×10^{1}	1×10^{6}
620	Tl-198m	1×10^{1}	1×10^{6}
621	Tl-199	1×10^{2}	1×10^{6}
622	Tl-200	1×10^{1}	1×10^{6}
623	Tl-201	1×10^{2}	1×10^{6}
624	Tl-202	1×10^{2}	1×10^{6}
625	Tl-204	1×10^{4}	1×10^{4}
626	Pb-195m	1×10^{1}	1×10^{6}
627	Pb-198	1×10^{2}	1×10^{6}
628	Pb-199	1×10^{1}	1×10^{6}
629	Pb-200	1×10^{2}	1×10^{6}
630	Pb-201	1×10^{1}	1×10^{6}
631	Pb-202	1×10^{3}	1×10^{6}
632	Pb-202m	1×10^{1}	1×10^{6}
633	Pb-203	1×10^{2}	1×10^{6}
634	Pb-205	1×10^{4}	1×10^{7}
635	Pb-209	1×10^{5}	1×10^{6}
636	Pb-210[a]	1×10^{1}	1×10^{4}
637	Pb-211	1×10^{2}	1×10^{6}
638	Pb-212[a]	1×10^{1}	1×10^{5}
639	Pb-214	1×10^{2}	1×10^{6}
640	Bi-200	1×10^{1}	1×10^{6}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
641	Bi-201	1×10^{1}	1×10^{6}
642	Bi-202	1×10^{1}	1×10^{6}
643	Bi-203	1×10^{1}	1×10^{6}
644	Bi-205	1×10^{1}	1×10^{6}
645	Bi-206	1×10^{1}	1×10^{5}
646	Bi-207	1×10^{1}	1×10^{6}
647	Bi-210	1×10^{3}	1×10^{6}
648	Bi-210m[a]	1×10^{1}	1×10^{5}
649	Bi-212[a]	1×10^{1}	1×10^{5}
650	Bi-213	1×10^{2}	1×10^{6}
651	Bi-214	1×10^{1}	1×10^{5}
652	Po-203	1×10^{1}	1×10^{6}
653	Po-205	1×10^{1}	1×10^{6}
654	Po-206	1×10^{1}	1×10^{6}
655	Po-207	1×10^{1}	1×10^{6}
656	Po-208	1×10^{1}	1×10^{4}
657	Po-209	1×10^{1}	1×10^{4}
658	Po-210	1×10^{1}	1×10^{4}
659	At-207	1×10^{1}	1×10^{6}
660	At-211	1×10^{3}	1×10^{7}
661	Fr-222	1×10^{3}	1×10^{5}
662	Fr-223	1×10^{2}	1×10^{6}
663	Rn-220[a]	1×10^{4}	1×10^{7}
664	Rn-222[a]	1×10^{1}	1×10^{8}
665	Ra-223[a]	1×10^{2}	1×10^{5}
666	Ra-224[a]	1×10^{1}	1×10^{5}
667	Ra-225	1×10^{2}	1×10^{5}
668	Ra-226[a]	1×10^{1}	1×10^{4}
669	Ra-227	1×10^{2}	1×10^{6}
670	Ra-228[a]	1×10^{1}	1×10^{5}
671	Ac-224	1×10^{2}	1×10^{6}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
672	Ac-225[a]	1×10^{1}	1×10^{4}
673	Ac-226	1×10^{2}	1×10^{5}
674	Ac-227[a]	1×10^{-1}	1×10^{3}
675	Ac-228	1×10^{1}	1×10^{6}
676	Th-226[a]	1×10^{3}	1×10^{7}
677	Th-227	1×10^{1}	1×10^{4}
678	Th-228[a]	1×10^{0}	1×10^{4}
679	Th-229[a]	1×10^{0}	1×10^{3}
680	Th-230	1×10^{0}	1×10^{4}
681	Th-231	1×10^{3}	1×10^{7}
682	Th-232	1×10^{1}	1×10^{4}
683	Th-nat[a]	1×10^{0}	1×10^{3}
684	Th-234[a]	1×10^{3}	1×10^{5}
685	Pa-227	1×10^{1}	1×10^{6}
686	Pa228	1×10^{1}	1×10^{6}
687	Pa-230	1×10^{1}	1×10^{6}
688	Pa-231	1×10^{0}	1×10^{3}
689	Pa-232	1×10^{1}	1×10^{6}
690	Pa-233	1×10^{2}	1×10^{7}
691	Pa-234	1×10^{1}	1×10^{6}
692	U-230[a]	1×10^{1}	1×10^{5}
693	U-231	1×10^{2}	1×10^{7}
694	U-232[a]	1×10^{0}	1×10^{3}
695	U-233	1×10^{1}	1×10^{4}
696	U-234	1×10^{1}	1×10^{4}
697	U-235[a]	1×10^{1}	1×10^{4}
698	U-236	1×10^{1}	1×10^{4}
699	U-237	1×10^{2}	1×10^{6}
700	U-238[a]	1×10^{1}	1×10^{4}
701	U-nat[a]	1×10^{0}	1×10^{3}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
702	U-239	1×10^2	1×10^6
703	U-240	1×10^3	1×10^7
704	U-240[a]	1×10^1	1×10^6
705	Np-232	1×10^1	1×10^6
706	Np-233	1×10^2	1×10^7
707	Np-234	1×10^1	1×10^6
708	Np-235	1×10^3	1×10^7
709	Np-236	1×10^2	1×10^5
710	Np-236m	1×10^3	1×10^7
711	Np-237[a]	1×10^0	1×10^3
712	Np-238	1×10^2	1×10^6
713	Np-239	1×10^2	1×10^7
714	Np-240	1×10^1	1×10^6
715	Pu-234	1×10^2	1×10^7
716	Pu-235	1×10^2	1×10^7
717	Pu-236	1×10^1	1×10^4
718	Pu-237	1×10^3	1×10^7
719	Pu-238	1×10^0	1×10^4
720	Pu-239	1×10^0	1×10^4
721	Pu-240	1×10^0	1×10^3
722	Pu-241	1×10^2	1×10^5
723	Pu-242	1×10^0	1×10^4
724	Pu-243	1×10^3	1×10^7
725	Pu-244	1×10^0	1×10^4
726	Pu-245	1×10^2	1×10^6
727	Pu-246	1×10^2	1×10^6
728	Am-237	1×10^2	1×10^6
729	Am-238	1×10^1	1×10^6
730	Am-239	1×10^2	1×10^6
731	Am-240	1×10^1	1×10^6
732	Am-241	1×10^0	1×10^4

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
733	Am-242	1×10^{3}	1×10^{6}
734	Am-242m[a]	1×10^{0}	1×10^{4}
735	Am-243[a]	1×10^{0}	1×10^{3}
736	Am-244	1×10^{1}	1×10^{6}
737	Am-244m	1×10^{4}	1×10^{7}
738	Am-245	1×10^{3}	1×10^{6}
739	Am-246	1×10^{1}	1×10^{5}
740	Am-246m	1×10^{1}	1×10^{6}
741	Cm-238	1×10^{2}	1×10^{7}
742	Cm-240	1×10^{2}	1×10^{5}
743	Cm-241	1×10^{2}	1×10^{6}
744	Cm-242	1×10^{2}	1×10^{5}
745	Cm-243	1×10^{0}	1×10^{4}
746	Cm-244	1×10^{1}	1×10^{4}
747	Cm-245	1×10^{0}	1×10^{3}
748	Cm-246	1×10^{0}	1×10^{3}
749	Cm-247	1×10^{0}	1×10^{4}
750	Cm-248	1×10^{0}	1×10^{3}
751	Cm-249	1×10^{3}	1×10^{6}
752	Cm-250	1×10^{-1}	1×10^{3}
753	Bk-245	1×10^{2}	1×10^{6}
754	Bk-246	1×10^{1}	1×10^{6}
755	Bk-247	1×10^{0}	1×10^{4}
756	Bk-249	1×10^{3}	1×10^{6}
757	Bk-250	1×10^{1}	1×10^{6}
758	Cf-244	1×10^{4}	1×10^{7}
759	Cf-246	1×10^{3}	1×10^{6}
760	Cf-248	1×10^{1}	1×10^{4}
761	Cf-249	1×10^{0}	1×10^{3}
762	Cf-250	1×10^{1}	1×10^{4}

Activity concentration values and activity values for nuclides			
Item	**Nuclide**	**Activity concentration value (Bq/g)**	**Activity value (Bq)**
763	Cf-251	1×10^0	1×10^3
764	Cf-252	1×10^1	1×10^4
765	Cf-253	1×10^2	1×10^5
766	Cf-254	1×10^0	1×10^3
767	Es-250	1×10^2	1×10^6
768	Es-251	1×10^2	1×10^7
769	Es-253	1×10^2	1×10^5
770	Es-254	1×10^1	1×10^4
771	Es-254m	1×10^2	1×10^6
772	Fm-252	1×10^3	1×10^6
773	Fm-253	1×10^2	1×10^6
774	Fm-254	1×10^4	1×10^7
775	Fm-255	1×10^3	1×10^6
776	Fm-257	1×10^1	1×10^5
777	Md-257	1×10^2	1×10^7
778	Md-258	1×10^2	1×10^5
779	An alpha-emitting nuclide not mentioned in another item	1×10^0	1×10^3
780	A nuclide that is not alpha-emitting and not mentioned in another item	1×10^1	1×10^4

Part 3—Parent nuclides and progeny nuclides

3 Parent nuclides and progeny nuclides

The following table sets out progeny nuclides for parent nuclides included in secular equilibrium.

Note 1: The activity of a progeny nuclide included in secular equilibrium with a parent nuclide is dealt with in regulation 3A.

Note 2: Parent nuclides are also marked [a] in the table in clause 2.

Parent nuclides and progeny nuclides		
Item	**Parent nuclide**	**Progeny nuclide**
1	Ge-68	Ga-68
2	Rb-83	Kr-83m
3	Sr-82	Rb-82
4	Sr-90	Y-90
5	Y-87	Sr-87m
6	Zr-93	Nb-93m
7	Zr-97	Nb-97
8	Ru-106	Rh-106
9	Ag-108m	Ag-108
10	Sn-121m	Sn-121 (0.776)
11	Sn-126	Sb-126m
12	Xe-122	I-122
13	Cs-137	Ba-137m
14	Ba-140	La-140
15	Ce-144	Pr-144
16	Gd-146	Eu-146
17	Hf-172	Lu-172
18	W-178	Ta-178
19	W-188	Re-188
20	Re-189	Os-189m (0.241)
21	Os-194	Ir-194
22	Ir-189	Os-189m
23	Pt-188	Ir-188
24	Hg-194	Au-194
25	Hg-195m	Hg-195 (0.542)
26	Pb-210	Bi-210 Po-210
27	Pb-212	Bi-212 Tl-208 (0.36) Po-212 (0.64)
28	Bi-210m	Tl-206
29	Bi-212	Tl-208 (0.36)

Parent nuclides and progeny nuclides		
Item	**Parent nuclide**	**Progeny nuclide**
		Po-212 (0.64)
30	Rn-220	Po-216
31	Rn-222	Po-218 Pb-214 Bi-214 Po-214
32	Ra-223	Rn-219 Po-215 Pb-211 Bi-211 Tl-207
33	Ra-224	Rn-220 Po-216 Pb-212 Bi-212 Tl-208 (0.36) Po-212 (0.64)
34	Ra-226	Rn-222 Po-218 Pb-214 Bi-214 Po-214 Pb-210 Bi-210 Po-210
35	Ra-228	Ac-228
36	Ac-225	Fr-221 At-217 Bi-213 Po-213 (0.978) Tl-209 (0.0216) Pb-209 (0.978)
37	Ac-227	Fr-223 (0.0138)
38	Th-226	Ra-222 Rn-218 Po-214
39	Th-228	Ra-224 Rn-220 Po-216

Parent nuclides and progeny nuclides		
Item	**Parent nuclide**	**Progeny nuclide**
		Pb-212 Bi-212 Tl-208 (0.36) Po-212 (0.64)
40	Th-229	Ra-225 Ac-225 Fr-221 At-217 Bi-213 Po-213 Pb-209
41	Th-nat	Ra-228 Ac-228 Th-228 Ra-224 Rn-220 Po-216 Pb-212 Bi-212 Tl-208 (0.36) Po-212 (0.64)
42	Th-234	Pa-234m
43	U-230	Th-226 Ra-222 Rn-218 Po-214
44	U-232	Th-228 Ra-224 Rn-220 Po-216 Pb-212 Bi-212 Tl-208 (0.36) Po-212 (0.64)
45	U-235	Th-231
46	U-238	Th-234 Pa-234m
47	U-nat	Th-234

Parent nuclides and progeny nuclides		
Item	**Parent nuclide**	**Progeny nuclide**
		Pa-234m U-234 Th-230 Ra-226 Rn-222 Po-218 Pb-214 Bi-214 Po-214 Pb-210 Bi-210 Po-210
48	U-240	Np-240m
49	Np-237	Pa-233
50	Am-242m	Am-242
51	Am-243	Np-239

82 Part 1 of Schedule 3 (after the heading)

Insert:

1 Facility licence—information and documents that may be requested by CEO

The following table sets out information and documents that the CEO may ask an applicant for a facility licence to give.

83 Part 1 of Schedule 3 (table, headings)

Omit:

Item **Information**

substitute:

Federal Register of Legislative Instruments F2015L00776

Facility licence—information and documents that may be requested by CEO

Item	Information and documents

84 Part 1 of Schedule 3 (at the end of the cell at table item 4, column headed "Information")

Add:

; (g) the environment protection plan for the controlled facility.

85 Part 2 of Schedule 3 (after the heading)

Insert:

2 Source licence—information and documents that may be requested by CEO

The following table sets out information and documents that the CEO may ask an applicant for a source licence to give.

86 Part 2 of Schedule 3 (table, headings)

Repeal the headings, substitute:

Source licence—information and documents that may be requested by CEO

Item	Information and documents

87 Schedule 3A (before the table)

Insert:

1 Facility licence application fees—nuclear installations

The following table sets out the amount of the application fee for a facility licence that authorises a person to do a thing mentioned in an item in the table in relation to a controlled facility that is a nuclear installation.

88 Schedule 3A (table, headings)

Repeal the headings, substitute:

Facility licence application fees—nuclear installations

Item	Thing authorised to be done by licence	Amount ($)

89 Part 1 of Schedule 3B (after the heading)

Insert:

1 Facility licence application fees—prescribed radiation facilities (general)

The following table sets out the amount of the application fee for a facility licence that authorises a person to do a thing in relation to a controlled facility that is a prescribed radiation facility of a kind mentioned in an item in the table (except if the thing is mentioned in an item in the table in clause 2).

90 Part 1 of Schedule 3B (table, headings)

Repeal the headings, substitute:

Facility licence application fees—prescribed radiation facilities (general)

Item	Kind of prescribed radiation facility	Amount ($)

91 Part 1 of Schedule 3B (note)

Omit "the application fee for the licence is the sum of the application fees for each thing authorised to be done by the licence", substitute "the amount of the application fee for the licence is the sum of the amounts of the application fees that would have been applicable if applications for separate licences had been made for each of those things".

92 Part 2 of Schedule 3B (after the heading)

Insert:

2 Facility licence application fees—prescribed radiation facilities (other)

The following table sets out the amount of the application fee for a facility licence that authorises a person to do a thing mentioned in an item in the table in relation to a prescribed radiation facility.

93 Part 2 of Schedule 3B (table, headings)

Repeal the headings, substitute:

Facility licence application fees—prescribed radiation facilities (other)

Item	Thing authorised to be done by licence	Amount ($)

94 Part 1 of Schedule 3C (after the heading)

Insert:

1 Source licence application fees—kinds of controlled apparatus or controlled material

The following table sets out kinds of controlled apparatus and controlled materials for the purpose of determining the amount of an application fee for a source licence.

95 Part 1 of Schedule 3C (table, headings)

Omit:

Item	Controlled apparatus or controlled material

substitute:

Source licence application fees—kinds of controlled apparatus or controlled material

Item	Controlled apparatus or controlled material

96 Part 1 of Schedule 3C (table items 6, 7, 8, 30, 31, 42 and 43)

Omit "the amount mentioned in column 4 of Part 2 of Schedule 2 for that kind of nuclide", substitute "the activity value for that nuclide set out in an item in the table in clause 2 of Schedule 2".

97 Part 1 of Schedule 3C (note)

Omit "The dictionary in these Regulations", substitute "Regulation 3".

98 Part 2 of Schedule 3C (after the heading)

Insert:

2 Source licence application fees—amount of fees

The following table sets out amounts for the purpose of determining the amount of an application fee for a source licence.

Note: The amount of an application fee for a source licence is based on:

(a) the number of controlled apparatus or controlled materials in the same location to be dealt with under the application; and

(b) the Group in the table in clause 1 that covers the controlled apparatus or controlled materials.

99 Part 2 of Schedule 3C (table, headings)

Repeal the headings, substitute:

Source licence application fees—amount of fees

Item	Number of controlled apparatus or controlled materials in the same location to be dealt with under application	Amount ($)