

ERRATA

Corrections to published RIFE reports

| | Page, Section | Comment | | | | | | | | | | | | | | | | |
|---------------------------|---|--|-------------------|-----------------------|-------------------|-----------------------|-----------------------|----|--|--|---------------------------|--|--------|------|-----|--|-------|------|
| RIFE-1 1995 | 38, Section 16.2 | Last but one sentence, replace 1994 with 1995. | | | | | | | | | | | | | | | | |
| | 39, Section 16.4 | First sentence, 2 nd paragraph, replace 1994 with 1995. | | | | | | | | | | | | | | | | |
| | 45, Table 1 | Replace ²⁴¹ Am Sellafield (sea pipelines) limit of 1.3 TBq with 0.3 TBq. Replace ⁶⁰ Co Harwell (pipeline) percentage of 1.5 with 6.9. | | | | | | | | | | | | | | | | |
| | 74, Table 16 99, Table 33(a) | The following activity in soil data were reported as being Bq kg ⁻¹ (dry) whilst they should have been reported as Bq kg ⁻¹ (wet). All data are averages unless stated. | | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>Site/location</th> <th>²¹⁰Po</th> <th>²³⁸Pu</th> <th>²³⁹⁺²⁴⁰Pu</th> </tr> </thead> <tbody> <tr> <td>Sellafield (Table 16)</td> <td>64</td> <td></td> <td></td> </tr> <tr> <td>Aldermaston (Table 33(a))</td> <td></td> <td>0.0091</td> <td>0.36</td> </tr> <tr> <td>max</td> <td></td> <td>0.016</td> <td>0.56</td> </tr> </tbody> </table> | Site/location | ²¹⁰ Po | ²³⁸ Pu | ²³⁹⁺²⁴⁰ Pu | Sellafield (Table 16) | 64 | | | Aldermaston (Table 33(a)) | | 0.0091 | 0.36 | max | | 0.016 | 0.56 |
| | Site/location | ²¹⁰ Po | ²³⁸ Pu | ²³⁹⁺²⁴⁰ Pu | | | | | | | | | | | | | | |
| Sellafield (Table 16) | 64 | | | | | | | | | | | | | | | | | |
| Aldermaston (Table 33(a)) | | 0.0091 | 0.36 | | | | | | | | | | | | | | | |
| max | | 0.016 | 0.56 | | | | | | | | | | | | | | | |
| 99, Table 33(a) | The concentration of ¹³⁷ Cs in clay at Outfall (Pangbourne) was 12±0.15 Bq kg ⁻¹ (dry) | | | | | | | | | | | | | | | | | |
| 133, Appendix 3 | The average consumption rates of nuts and offal by 10 year old children were 1.5 kg y ⁻¹ . The consumption of whelks at Sellafield by group E (Whitehaven commercial) was 11 kg y ⁻¹ . | | | | | | | | | | | | | | | | | |
| 138, Appendix 6 | The values of t _f and t _s were 0. The transfer factors for beef offal (²⁴¹ Pu) and lamb (²⁴¹ Pu) were 2 10 ⁻² and 4 10 ⁻⁴ respectively. | | | | | | | | | | | | | | | | | |
| RIFE-2 1996 | 32, Section 8.1 | Lines 8-11. Replace with “In 1996 no fragments of spent fuel were found on the public beach at Dounreay. Thirteen small fragments were found with caesium-137 activities in the range 10 ⁵ -10 ⁸ Bq (these activities were measured by the operator). They were all found on the Dounreay foreshore which although a public area is largely inaccessible. A” | | | | | | | | | | | | | | | | |
| | 58, Table 2 | Replace ³⁵ S Oldbury limit of 0.8 TBq with 0.75 TBq. Replace ⁴¹ Ar Trawsfynydd limit of 350 TBq with 3500 TBq. | | | | | | | | | | | | | | | | |

85, Table 16
87, Table 18
91, Table 20(a)
95, Table 21
119, Table 41

The following activity in soil data were reported as being Bq kg⁻¹ (dry) whilst they should have been reported as Bq kg⁻¹ (wet). All data are averages unless stated.

| Site/location | ²³⁴ U | ²³⁵ U | ²³⁸ U |
|----------------------------|------------------|------------------|------------------|
| Drigg (Table 16) | 8.3 | 0.28 | 7.4 |
| Ravenglass (Table 18) | 16 | 0.56 | 15 |
| Springfields (Table 20(a)) | 49 | 2.3 | 45 |
| Capenhurst (Table 21) | 9.8 | 0.36 | 10 |
| Derby (Table 41) | 44 | 1.7 | 43 |

Table 47

This was omitted in error. The data are attached.

Table 47. Radioactivity in plants near landfill sites, 1996

| Sampling location | Material | No of samples | Mean radioactivity concentration (dry)*, Bq kg ⁻¹ | | | | | | | |
|-------------------------------|----------|---------------|--|-----------------|------------------|------------------|-------------------|-------------------|----------------------|-----------------------|
| | | | ³ H | ¹⁴ C | ⁹⁰ Sr | ¹²⁵ I | ¹³⁴ Cs | ¹³⁷ Cs | ²³⁸ Pu | ²³⁹⁺²⁴⁰ Pu |
| Beddingham Lewes, East Sussex | Grass | 4 | <40 ±18 | 130 ±28 | 1.8 ±0.1 | <0.19 | <0.61 | <0.54 ±0.30 | <0.00099 ±0.00037 | 0.0067 ±0.0012 |
| Cilgwyn Quarry, Gwynedd | “ | 4 | <30 | 360 ±55 | 3.0 ±0.2 | <0.63 | <0.69 | <5.2 ±0.9 | <0.0095 | 0.018 ±0.005 |
| Lyndown, Devon | “ | 4 | <28 | 150 ±30 | 2.4 ±0.2 | <1.3 ±0.2 | <0.60 | <0.62 ±0.17 | <0.0010 | <0.0024 ±0.0009 |
| Witton, Cheshire | “ | 4 | <38 | 130 ±33 | 0.76 ±0.12 | <1.1 ±0.3 | <0.59 | <0.63 | <0.0013 | 0.0021 ±0.0016 |

* Results are available for other artificial nuclides detectable by gamma spectrometry
All such results are less than the limit of detection

RIFE-3
1997

19, Table 1.1

Replace beta, tritium and ⁶⁰Co Devonport (sewer) discharges with 1.97 10⁻⁶, 2.22 10⁻⁶, 5.60 10⁻⁷ TBq respectively.

Replace alpha and beta limit and percentage Greenwich with 4.44 10⁻³ TBq and <1 respectively.

21, Table 1.2

Replace tritium Winfrith limit with 5 TBq.

38, Section 3.6.5

First paragraph. Reference to factor of 0.85 millisievert per milligray should be ICRP (1996b).

70, Table 4.10

72, Table 4.12

81, Table 4.16

121, Table 9.1

The following activity in soil data were reported as being Bq kg⁻¹ (dry) whilst they should have been reported as Bq kg⁻¹ (wet). All data are averages unless stated.

| Site/location | ²³⁴ U | ²³⁵ U | ²³⁸ U |
|---------------------------|------------------|------------------|------------------|
| Drigg (Table 4.10) | 9.9 | 0.37 | 9.5 |
| Ravenglass (Table 4.12) | 18 | 0.60 | 16 |
| Springfields (Table 4.12) | 31 | 1.5 | 30 |
| Capenhurst (Table 4.16) | 9.5 | 0.40 | 9.5 |
| Derby (Table 9.1) | 27 | 0.97 | 24 |

90, Section 6.3

The maximum dose due to gaseous disposals was received by adults.

161, Appendix 4

The 1 year old child dose coefficient for ⁹⁹Tc was 4.80 10⁻⁹.

RIFE-4
1998

| Page, Section | Comment | | | | | | | | | | | | | | | | |
|---|--|------------------|------------------|------------------|------------------|------------------------------|----|-----|----|-------------------------|-----|------|-----|-------------------|----|------|----|
| 70, Table 4.12 | The concentrations of total Cs and ¹⁴⁴ Ce in ovine muscle (max) were 0.61 and <1.8 Bq kg ⁻¹ (wet) respectively. No value for ¹⁵⁵ Eu is available. | | | | | | | | | | | | | | | | |
| 75, Table 4.15(a) 77, Table 4.16 116, Table 9.1 | The following activity in soil data were reported as being Bq kg ⁻¹ (dry) whilst they should have been reported as Bq kg ⁻¹ (wet). All data are averages unless stated. | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Site/location</th> <th>²³⁴U</th> <th>²³⁵U</th> <th>²³⁸U</th> </tr> </thead> <tbody> <tr> <td>Springfields (Table 4.15(a))</td> <td>72</td> <td>3.0</td> <td>68</td> </tr> <tr> <td>Capenhurst (Table 4.16)</td> <td>7.9</td> <td>0.30</td> <td>7.4</td> </tr> <tr> <td>Derby (Table 9.1)</td> <td>31</td> <td>0.93</td> <td>26</td> </tr> </tbody> </table> | Site/location | ²³⁴ U | ²³⁵ U | ²³⁸ U | Springfields (Table 4.15(a)) | 72 | 3.0 | 68 | Capenhurst (Table 4.16) | 7.9 | 0.30 | 7.4 | Derby (Table 9.1) | 31 | 0.93 | 26 |
| Site/location | ²³⁴ U | ²³⁵ U | ²³⁸ U | | | | | | | | | | | | | | |
| Springfields (Table 4.15(a)) | 72 | 3.0 | 68 | | | | | | | | | | | | | | |
| Capenhurst (Table 4.16) | 7.9 | 0.30 | 7.4 | | | | | | | | | | | | | | |
| Derby (Table 9.1) | 31 | 0.93 | 26 | | | | | | | | | | | | | | |
| 96, Table 6.4(a) | The concentration of ²⁴¹ Am in mud at Paddy's Hole was <1.0 Bq kg ⁻¹ (dry). No measurement of ^{239/240} Pu was made. | | | | | | | | | | | | | | | | |
| 125, Section 11.1 | Last but one paragraph. The estimated dose was 0.094 mSv. | | | | | | | | | | | | | | | | |
| 131, Section 11.8 | Last paragraph, first sentence. Replace 1997 with 1998. | | | | | | | | | | | | | | | | |

RIFE-5
1999

| 71, Table 4.15(a) 73, Table 4.16 118, Table 9.1 | The following activity in soil data were reported as being Bq kg ⁻¹ (dry) whilst they should have been reported as Bq kg ⁻¹ (wet). All data are averages unless stated. | | | | | | | | | | | | | | | | |
|---|--|------------------|------------------|------------------|------------------|----------------------------------|-----|----|-----|-----------------------------|----|------|----|-----------------------|----|-----|----|
| | <table border="1"> <thead> <tr> <th>Site/location</th> <th>²³⁴U</th> <th>²³⁵U</th> <th>²³⁸U</th> </tr> </thead> <tbody> <tr> <td>Springfields (Table 4.15(a)) max</td> <td>180</td> <td>15</td> <td>200</td> </tr> <tr> <td>Capenhurst (Table 4.16) max</td> <td>12</td> <td>0.46</td> <td>12</td> </tr> <tr> <td>Derby (Table 9.1) max</td> <td>34</td> <td>1.3</td> <td>31</td> </tr> </tbody> </table> | Site/location | ²³⁴ U | ²³⁵ U | ²³⁸ U | Springfields (Table 4.15(a)) max | 180 | 15 | 200 | Capenhurst (Table 4.16) max | 12 | 0.46 | 12 | Derby (Table 9.1) max | 34 | 1.3 | 31 |
| Site/location | ²³⁴ U | ²³⁵ U | ²³⁸ U | | | | | | | | | | | | | | |
| Springfields (Table 4.15(a)) max | 180 | 15 | 200 | | | | | | | | | | | | | | |
| Capenhurst (Table 4.16) max | 12 | 0.46 | 12 | | | | | | | | | | | | | | |
| Derby (Table 9.1) max | 34 | 1.3 | 31 | | | | | | | | | | | | | | |
| 112, Section 8.2 | The second sentence of paragraph three states that "the duck and tide washed pasture pathways gave doses of 0.032 and 0.009 mSv y ⁻¹ respectively." The dose due to the duck pathway should read 0.042 mSv y ⁻¹ . The value for tide washed pasture is correct. | | | | | | | | | | | | | | | | |
| 123, Table 10.2 | The concentration of ¹⁴ C in grass from Billingham was 960 Bq kg ⁻¹ (wet). | | | | | | | | | | | | | | | | |
| 162, Table A1.2 | The Dounreay (Fast Reactor) data were duplicated. | | | | | | | | | | | | | | | | |

RIFE-6
2000

| 31, Section 3.5 | It was stated that the dose limits do not apply to natural radionuclides. This sentence should be deleted. | | | | | | | | | | | | |
|----------------------------------|--|------------------|------------------|------------------|------------------|-----------------------------|-----|------|-----|-----------------------|----|------|----|
| 75, Table 4.16 124, Table 9.1 | The following activity in soil data were reported as being Bq kg ⁻¹ (dry) whilst they should have been reported as Bq kg ⁻¹ (wet). All data are averages unless stated. | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Site/location</th> <th>²³⁴U</th> <th>²³⁵U</th> <th>²³⁸U</th> </tr> </thead> <tbody> <tr> <td>Capenhurst (Table 4.16) max</td> <td>8.5</td> <td>0.35</td> <td>8.4</td> </tr> <tr> <td>Derby (Table 9.1) max</td> <td>24</td> <td>0.96</td> <td>23</td> </tr> </tbody> </table> | Site/location | ²³⁴ U | ²³⁵ U | ²³⁸ U | Capenhurst (Table 4.16) max | 8.5 | 0.35 | 8.4 | Derby (Table 9.1) max | 24 | 0.96 | 23 |
| Site/location | ²³⁴ U | ²³⁵ U | ²³⁸ U | | | | | | | | | | |
| Capenhurst (Table 4.16) max | 8.5 | 0.35 | 8.4 | | | | | | | | | | |
| Derby (Table 9.1) max | 24 | 0.96 | 23 | | | | | | | | | | |

| Page, Section | Comment |
|---|---|
| 155, Table 12.1 | Target date for project 'Tritium and carbon-14 in seafood' should have been March 2003. |
| 166, Table A1.1 | Discharges of tritium from Devonport (pipeline) given as 0.87 TBq should have been 0.087 TBq. |
| 168, Table A1.2 | Sellafield Discharge limits of alpha and beta activity should have been 0.00196 and 0.328 TBq. Percentage of limit for alpha and beta activity should have been 4.0 and <1. Discharges of tritium and ¹⁴ C from Sellafield given as 213 and 2.58 TBq should have been 355 and 2.94 TBq. Relevant percentages given as 15 and 30 should have been 25 and 34. |
| RIFE-7 2001 71, Table 4.8 80, Table 4.15(a) 93, Table 5.2(a) 122, Table 7.3 127, Table 8.2(a) 130, Table 9.1 | The following activity in soil data were reported as being Bq kg ⁻¹ (dry) whilst they should have been reported as Bq kg ⁻¹ (wet). All data are averages unless stated. |

| Site/location | ⁶⁰ Co | ¹⁰⁶ Ru | ¹²⁵ Sb | ¹³⁴ Cs | ¹³⁷ Cs | ²³⁴ U | ²³⁵ U | ²³⁸ U | ²⁴¹ Am |
|-------------------------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|-------------------|
| Sellafield (Table 4.8) | <0.80 | <3.1 | <1.1 | | 80 | | | | 5.8 |
| max | 1.2 | | | | 97 | 9.3 | 0.34 | 9.1 | 6.0 |
| Springfields (Table 4.15(a)) | | | | | | 95 | 4.6 | 89 | |
| max | | | | | | | | | |
| Harwell (Table 5.2(a)) | <0.40 | | | <0.40 | 2.9 | | | | |
| Featherstone position A (Table 7.3) | | | | | | 9.5 | 0.41 | 9.0 | |
| Featherstone position B (Table 7.3) | | | | | | 7.3 | 0.34 | 7.5 | |
| Cardiff (Table 8.2(a)) | | | | <0.33 | 5.6 | | | | |
| max | | | | <0.40 | 6.5 | | | | |
| Derby (Table 9.1) | | | | | | 18 | 0.80 | 18 | |
| max | | | | | | 30 | 1.3 | 29 | |

176, Table A1.1 Discharges of Alpha for Hunterston 'A' given as 0.14 TBq should have been 1.4 10⁻⁵ TBq. The % of limit given as 350 should have been <1.

181, Table A1.2 Dungeness 'A' discharge limit and % of limit for tritium should have been 3 and 23 respectively.

RIFE-8
2002
59, Table 4.1 Two tritium results were omitted.
The data are attached.

Table 4.1. Beta/gamma radioactivity in fish from the Irish Sea vicinity and further afield, 2002

| Location | Material | No. of sampling observations | ³ H |
|----------------|----------|------------------------------|----------------|
| Liverpool Bay | Flounder | 2 | <25 |
| Mersey estuary | Flounder | 2 | <25 |

79, Table 4.14
82 Table 4.17
128, Table 7.1(a)
138, Table 8.2(a)

The following activity in soil data were reported as being Bq kg^{-1} (dry) whilst they should have been reported as Bq kg^{-1} (wet). All data are averages unless stated.

| Site/location | ^{60}Co | ^{106}Ru | ^{125}Sb | ^{134}Cs | ^{137}Cs | ^{234}U | ^{235}U | ^{238}U |
|----------------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|
| Sellafield (Table 4.14) | <0.80 | <2.3 | <1.2 | 68 | | | | |
| max | 1.0 | <2.7 | <1.4 | 82 | | | | |
| Drigg (Table 4.17) | | | | | | | | |
| max | | | | | | 6.9 | 0.30 | 6.5 |
| Aldermaston (Table 7.1(a)) | | | | | | | | |
| max | | | | | | 8.7 | 0.35 | 8.3 |
| Cardiff (Table 8.2(a)) | | | | <0.30 | 6.4 | | | |
| max | | | | | 8.1 | | | |

102, Figure 6.1

An incorrect bar in Figure 6.1 for Bradwell (2002) is corrected below

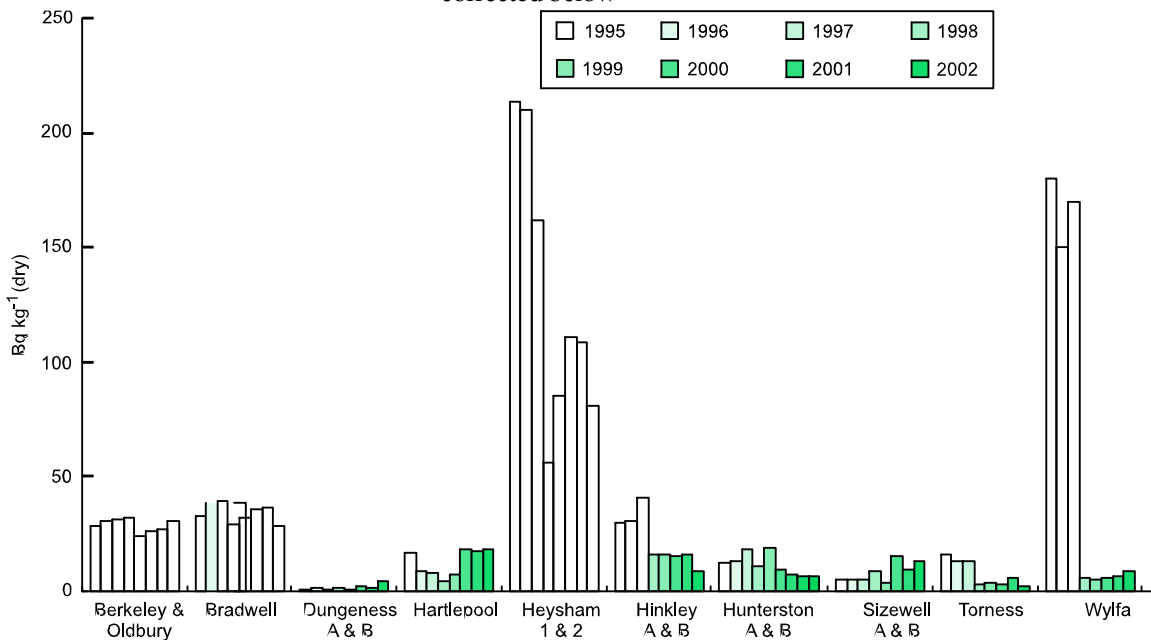


Figure 6.1. Caesium-137 concentration in sediments near nuclear power stations

RIFE-1 - RIFE-8
1995-2002

Urenco Capenhurst have reassessed atmospheric discharges of uranium; the reassessed discharges are listed in Table E1.

Table E1. Reassessed atmospheric discharges of uranium from Urenco Capenhurst

| Year | Original reported discharge TBq | Reassessed discharge TBq |
|------|---------------------------------|--------------------------|
| 1993 | $1.74 \cdot 10^{-9}$ | $2.41 \cdot 10^{-7}$ |
| 1994 | $6.74 \cdot 10^{-9}$ | $2.63 \cdot 10^{-7}$ |
| 1995 | $2.69 \cdot 10^{-8}$ | $2.75 \cdot 10^{-7}$ |
| 1996 | $1.11 \cdot 10^{-7}$ | $8.23 \cdot 10^{-7}$ |
| 1997 | $6.80 \cdot 10^{-8}$ | $4.90 \cdot 10^{-7}$ |
| 1998 | $6.87 \cdot 10^{-8}$ | $1.87 \cdot 10^{-6}$ |
| 1999 | $8.15 \cdot 10^{-8}$ | $1.01 \cdot 10^{-6}$ |
| 2000 | $9.64 \cdot 10^{-8}$ | $8.72 \cdot 10^{-7}$ |
| 2001 | $1.20 \cdot 10^{-7}$ | $9.77 \cdot 10^{-7}$ |
| 2002 | $1.16 \cdot 10^{-7}$ | $6.01 \cdot 10^{-7}$ |

RIFE-9
200382, Table 3.15
138 Table 6.1(a)
141, Table 6.3(a)
151, Table 7.3(a)
157, Table 8.1(a)The following activity in soil data were reported as being Bq kg⁻¹ (dry) whilst they should have been reported as Bq kg⁻¹ (wet). All data are averages unless stated.

| Site/location | ⁶⁰ Co | ¹⁰⁶ Ru | ¹²⁵ Sb | ¹³⁴ Cs | ¹³⁷ Cs | ¹⁵⁴ Eu | ²³⁴ U | ²³⁵ U | ²³⁸ U | ²⁴¹ Am |
|----------------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|-------------------|
| Sellafield (Table 3.15) | <0.90 | <3.3 | <1.2 | <0.40 | 75 | <0.50 | | | | 5.9 |
| max | 1.6 | <4.2 | <1.6 | | 89 | <0.60 | 11 | 0.54 | 10 | 7.7 |
| Aldermaston (Table 6.1(a)) | | | | | | | 11 | 0.48 | 11 | |
| max | | | | | | | | | | |
| Derby (Table 6.3(a)) | | | | | | | 47 | 1.6 | 40 | |
| max | | | | | | | | | | |
| Cardiff (Table 7.3(a)) | | | | <0.40 | 8.8 | | | | | |
| max | | | | | 11 | | | | | |
| Drigg (Table 8.1) | | | | | | | 6.7 | 0.26 | 6.7 | |
| max | | | | | | | | | | |

185, Table 9.12

Some data were incorrect. The amended version of the table is attached.

Table 9.12. Concentrations of radionuclides in rainwater and air 2003

| Location | Sample | No. of sampling observations | Mean radioactivity concentration ^a in rainwater and air | | | | | | | | | |
|--------------------------------------|-----------|------------------------------|--|--------|-------------------------------|-------------------|-------------------|-------------------|-------------------|--------------------------|-------------------------|------|
| | | | ³ H ⁷ | Be | ⁹⁰ Sr ^b | ¹³⁷ Cs | ²¹⁰ Pb | ²¹⁰ Po | ²²⁸ Th | Gross alpha ^b | Gross beta ^b | |
| Ceredigion Aberporth | Rainwater | 12 | <2.4 | <1.6 | | <0.053 | 0.10 | | | * | | |
| | Air | 4 | | 0.0022 | | <0.00000052 | 0.00017 | | | * | | |
| Co. Down Conlig | Rainwater | 4 | | <1.5 | | <0.022 | * | | | * | | |
| | Air | 4 | | 0.0022 | | <0.00000063 | 0.00015 | | | * | | |
| Dumfries and Galloway Eskdalemuir | Rainwater | 4 | 4 | <2.7 | 1.2 | | <0.0098 | 0.094 | | * | | |
| | Air | 4 | | 0.0018 | | <0.00000043 | 0.00013 | | | * | | |
| North Yorkshire Dishforth | Rainwater | 4 | | <2.2 | | <0.039 | * | | | * | | |
| | Air | 4 | | 0.0016 | | <0.00000055 | 0.00014 | | | * | | |
| Oxfordshire Chilton | Rainwater | 12 | | <1.5 | <0.00064 | <0.032 | 0.32 | | | * | 0.074 | 0.17 |
| | Air | 13 | | 0.0018 | | <0.00000034 | 0.00027 | <0.000014 | | * | | |
| Shetland Lerwick | Rainwater | 4 | | 1.6 | | <0.017 | * | | | * | | |
| | Air | 4 | | 0.0015 | | <0.00000052 | 0.00010 | | | * | | |
| Suffolk Orfordness | Rainwater | 4 | <2.2 | <2.4 | | <0.048 | * | | | 5.2 | | |
| | Air | 4 | | 0.0022 | | <0.00000053 | 0.00020 | | | * | | |

* Not detected by the method used

^a Bq l⁻¹ for rainwater and Bq kg⁻¹ for air^b Annual bulk analysis

187, Table 9.14

The concentration of ²¹⁰Po in Cornwall, River Fowey was <0.0098 Bq l⁻¹.

Table 9.16. Estimates of maximum radiation exposure from radionuclides in drinking water, 2003^a

| Country | Exposure, mSv | | |
|------------------|-------------------------------------|------------------------------------|-------------------|
| | Man-made radionuclides ^b | Natural radionuclides ^c | All radionuclides |
| England | <0.001 | 0.028 | 0.028 |
| Northern Ireland | <0.001 | 0.026 | 0.026 |
| Scotland | <0.001 | ^d | ^d |
| Wales | <0.001 | 0.027 | 0.027 |

^a The maximum dose is selected for each nuclide group from data for individual sampling locations.

Many estimates of dose are based on concentration results at limits of detection.

^b Including tritium

^c Including carbon-14

^d Analysis of natural radionuclides was not undertaken

214, Table A1.2

The data shown for Faslane are a duplication of the data for Rosyth and were included in error.

RIFE-10
2004

75, Table 3.7

The entry for Haverigg should read 0.087.

45, Figure 3.8

An incorrect bar in Figure 3.8 for Americium discharge is corrected below:

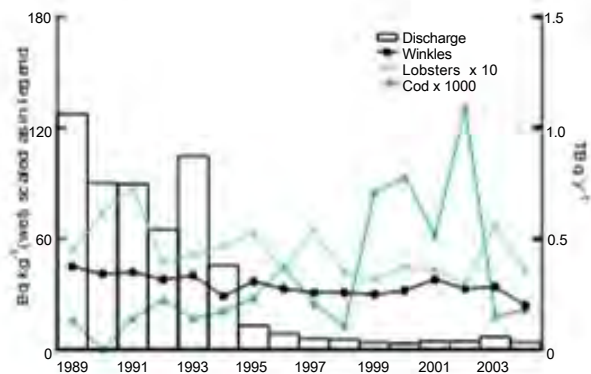


Figure 3.8. Americium-241 and liquid discharge from Sellafield and concentrations in cod*, lobsters and winkles near Sellafield (* estimated in 2004 due to lack of availability of cod)

87, Table 3.15

151 Table 6.1(a)

154, Table 6.3(a)

166, Table 7.3(a)

173, Table 8.1(a)

The following activity in soil data were reported as being Bq kg⁻¹ (dry) whilst they should have been reported as Bq kg⁻¹ (wet). All data are averages unless stated.

| Site/location | ⁶⁰ Co | ¹⁰⁶ Ru | ¹²⁵ Sb | ¹³⁴ Cs | ¹³⁷ Cs | ²³⁴ U | ²³⁵ U | ²³⁸ U |
|----------------------------|------------------|-------------------|-------------------|-------------------|-------------------|------------------|------------------|------------------|
| Sellafield (Table 3.15) | <0.43 | <1.4 | <0.73 | | | | | |
| max | 0.80 | <1.5 | <0.80 | | | 16 | 0.64 | 15 |
| Aldermaston (Table 6.1(a)) | | | | | | | | |
| max | | | | | | 7.8 | 0.29 | 7.2 |
| Derby (Table 6.3(a)) | | | | | | | | |
| max | | | | | | 27 | 0.94 | 23 |
| Cardiff (Table 7.3(a)) | | | | <0.47 | 7.1 | | | |
| max | | | | <0.50 | 7.7 | | | |
| Drigg (Table 8.1) | | | | | | | | |
| max | | | | | | 11 | 0.42 | 11 |

| Page, Section | Comment |
|-----------------|--|
| 223, Table A1.1 | The % annual limit for ¹⁰⁶ Ru discharge at Sellafield was 7% (not 70%). |
| 246, Table A5.1 | Some dose per unit intake values were missing for 1 yr old. These were: |

Table A5.1. Dosimetric data

| Radionuclide | Dose per unit intake by inhalation using ICRP-60 methodology (Sv Bq ⁻¹) |
|---------------------|---|
| Sr-90 [†] | 1.2E-07 |
| Zr-95 [†] | 2.1E-08 |
| Ba-140 [†] | 2.6E-08 |
| Pb-210 [†] | 4.0E-06 |
| Th-228 [†] | 1.4E-04 |
| U-238 | 9.4E-06 |

[†] Energy and dose per unit intake data include the effects of radiations of short-lived daughter products

RIFE-11
2005

| | |
|--------------------------|--|
| 72, Table 3.3a | Footnote 'd' showed an incorrect value. It should have read: ^d The concentration of ²³⁷ Np was 0.00035 Bq kg ⁻¹ |
| 112, Table 4.3a | Column headings should have read: ²³⁹ Pu+ ²⁴⁰ Pu ²⁴¹ Pu |
| 140, Table 5.5a | The result of <0.13 for ²⁴¹ Am in the <i>Fucus vesiculosus</i> samples from Pilot Station was incorrectly put into the ²³⁹ Pu+ ²⁴⁰ Pu column. |
| 206, Figures 9.5 and 9.6 | Incorrect units were shown. The correct units were mBq l ⁻¹ . |
| 225, Table 9.15 | Incorrect headings in the top part of the table. Should have been as below: |

Table 9.15. Concentrations of radionuclides in sources of drinking water in England and Wales, 2005

| Location | Sample source | No. of sampling observations | Mean radioactivity concentration, Bq l ⁻¹ | | | | |
|---------------|-------------------------------|------------------------------|--|-----------------|------------------|-------------------|-------------------|
| | | | ³ H | ⁴⁰ K | ⁹⁰ Sr | ¹³⁷ Cs | ²¹⁰ Po |
| Wales | | | | | | | |
| Gwynedd | Cwm Ystradlyn Treatment Works | 4 | <4.0 | <0.020 | 0.0036 | 0.0018 | <0.010 |
| Mid-Glamorgan | Llwyn-on Reservoir | 4 | <4.0 | <0.045 | 0.0030 | <0.0010 | <0.013 |
| Powys | Elan Valley Reservoir | 4 | <4.0 | <0.050 | 0.0040 | 0.00090 | <0.010 |

| | |
|-----------------|---|
| 248, Table A1.2 | Sellafield discharge limits for alpha and beta should have been 8.90 10 ⁻⁵ and 0.00174 TBq respectively. |
| 251, Table A1.2 | Aldermaston Tritium discharge and % limit should have been 14.1 and 8.3 respectively. |

RIFE 8-11
2002-2005

| | |
|-----------------------------|---|
| Concentrations in sediments | For sediment samples with unusually high water contents it was discovered in 2007 that the resulting sample bulk densities were outside the instrument calibration range. Following investigations a correction factor has been calculated and this has been applied to the affected data from 2002-2005 and the new results are reported here in Table E2. |
|-----------------------------|---|

These amendments do not significantly affect any assessments, charts or statements in the relevant RIFE reports.

Table E2. Amended concentrations of radionuclides in sediment, 2002 2005

| Year | Site | Location | No. of sampling observations | Mean radioactivity concentration (dry), Bq kg ⁻¹ | | | | | | |
|-------------|---------------|---|------------------------------|---|------------------|------------------|------------------|------------------|-------------------|-------------------|
| | | | | ⁵⁷ Co | ⁶⁰ Co | ⁶⁵ Zn | ⁹⁵ Zr | ⁹⁵ Nb | ¹⁰⁶ Ru | ¹²⁵ Sb |
| 2002 | Aldermaston | Reading (Kennet) | 4 | | | | | | | |
| | | Stream draining south | 4 | | | | | | | |
| | Bradwell | Maldon | 2 | | <3.4 | | | | | |
| | | Waterside | 2 | | <4.0 | | | | | |
| | Capenhurst | Rossmore (4.3 km downstream) | 2 | | | | | | | |
| | Cardiff | Canal | 2 | | | | | | | |
| | | West of pipeline | 2 | | | | | | | |
| | Devonport | Lopwell | 2 | | <3.7 | | | | | |
| | Dungeness | Pilot Sands | 2 | | <0.90 | | | | | |
| | Harwell | Appleford | 4 | | <0.60 | | | | | |
| Day's Lock | | 4 | | <0.50 | | | | | | |
| Sellafield | Caerhun | 2 | | <3.3 | | <9.6 | <7.7 | <23 | <9.2 | |
| 2003 | Aldermaston | Reading (Kennet) | 4 | | | | | | | |
| | | Aldermaston | 4 | | | | | | | |
| | Amersham | Outfall (Grand Union Canal) | 3 | <0.30 | <1.1 | <1.5 | | | | |
| | Bradwell | Waterside | 2 | | <2.0 | | | | | |
| | | Canal | 1 | | | | | | | |
| | Derby | River Derwent (downstream) | 4 | | <1.0 | | | | | |
| Devonport | Lopwell | 2 | | <2.5 | | | | | | |
| 2004 | Aldermaston | Reading (Kennet) | 4 | | | | | | | |
| | | Aldermaston | 4 | | | | | | | |
| | | Stream draining south | 4 | | | | | | | |
| | Amersham | Upstream of outfall (Grand Union Canal) | 2 | <6.4 | <1.8 | <4.1 | | | | |
| | Sellafield | Canal | 2 | | <1.6 | | <4.5 | <2.2 | <12 | <13 |
| Caerhun | | 2 | | | | | | | | |
| 2005 | Aldermaston | Reading (Kennet) | 4 | | | | | | | |
| | Amersham | Upstream of outfall (Grand Union Canal) | 2 | <5.3 | <1.6 | <3.6 | | | | |
| | Cardiff | Canal | 2 | | | | | | | |
| | | Lydebank Brook | 4 | | <1.7 | | | | | |
| | Harwell | Appleford | 4 | | <2.5 | | | | | |
| | | Day's Lock | 4 | | <2.6 | | <8.8 | <6.8 | <20 | <20 |
| Trawsfynydd | Bailey Bridge | 2 | | <8.3 | | | | | <44 | |

| Year | Site | Location | No. of sampling observations | Mean radioactivity concentration (dry), Bq kg ⁻¹ | | | | | | | |
|-------------|---------------|---|------------------------------|---|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | | | ¹²⁵ I | ¹³¹ I | ¹³⁴ Cs | ¹³⁷ Cs | ¹⁴⁴ Ce | ¹⁵⁴ Eu | ¹⁵⁵ Eu | ²⁴¹ Am |
| 2002 | Aldermaston | Reading (Kennet) | 4 | | | | 7.3 | | | | <1.9 |
| | | Stream draining south | 4 | | | | <5.1 | | | | <1.2 |
| | Bradwell | Maldon | 2 | | | 6.5 | 80 | | | | <4.0 |
| | | Waterside | 2 | | | 3.9 | 59 | | | | <13 |
| | Capenhurst | Rossmore (4.3 km downstream) | 2 | | | | <4.4 | | | | |
| | Cardiff | Canal | 2 | <0.80 | | | 2.4 | | | | |
| | | West of pipeline | 2 | <3.1 | | | 33 | | | | |
| | Devonport | Lopwell | 2 | | | | 7.7 | | | | |
| | Dungeness | Pilot Sands | 2 | | | | <0.90 | | | | <1.6 |
| | Harwell | Appleford | 4 | | | | <13 | | | | |
| Day's Lock | | 4 | | | | 6.0 | | | | | |
| Sellafield | Caerhun | 2 | | | <3.4 | 430 | <25 | <7.3 | <8.0 | 75 | |
| 2003 | Aldermaston | Reading (Kennet) | 4 | | | | 8.0 | | | | <1.6 |
| | | Aldermaston | 4 | | | | 6.3 | | | | <2.7 |
| | Amersham | Outfall (Grand Union Canal) | 3 | <1.0 | <550 | | <2.1 | | | | |
| | Bradwell | Waterside | 2 | | | | 35 | | | | <2.7 |
| | | Canal | 1 | <1.4 | | | 16 | | | | |
| | Derby | River Derwent (downstream) | 4 | | | | | | | | |
| Devonport | Lopwell | 2 | | | | <10 | | | | | |
| 2004 | Aldermaston | Reading (Kennet) | 4 | | | | 5.4 | | | | <1.1 |
| | | Aldermaston | 4 | | | | <3.9 | | | | <1.3 |
| | | Stream draining south | 4 | | | | <2.8 | | | | 1.6 |
| | Amersham | Upstream of outfall (Grand Union Canal) | 2 | <0.80 | <1.4 | | 10 | | | | |
| | Sellafield | Canal | 2 | <1.5 | | | 11 | | | | |
| Caerhun | | 2 | | | <1.5 | 220 | <5.7 | <7.3 | <3.1 | 51 | |
| 2005 | Aldermaston | Reading (Kennet) | 4 | | | | <3.9 | | | | 6.5 |
| | Amersham | Upstream of outfall (Grand Union Canal) | 2 | <1.0 | <9.1 | | 6.2 | | | | |
| | Cardiff | Canal | 2 | <1.8 | | | 9.1 | | | | |
| | | Lydebank Brook | 4 | | | | 9.0 | | | | |
| | Harwell | Appleford | 4 | | | | <11 | | | | |
| | | Day's Lock | 4 | | | | <11 | | | | |
| Sellafield | Caerhun | 2 | | | <2.5 | 230 | <9.3 | <12 | <5.3 | 59 | |
| Trawsfynydd | Bailey Bridge | 2 | | | <4.2 | 920 | | | | 76 | |

| | Page, Section | Comment |
|-----------------|------------------------------|--|
| RIFE-11 2005 | 270, Table A7.2B | Trawsfynydd, should read... Prenatal children of 0.008 Direct radiation, gamma occupants over sediment dose rate over sand/stone |
| | 70, Table 2.17 | The concentration of ²⁴¹ Am in winkles at Drigg should have been 29. |
| RIFE-12 2006 | 103, Section 4 Key points | Line 22 second column replace with • At Dungeness, dose from gaseous discharges increased. |
| | 187, Figure 8.5 | The range in the key should have been 2 to 8. |
| | 234, Table A4.2B | Trawsfynydd, should read... Prenatal children of fish 0.013 Fish, gamma dose rate over consumers sediment, ⁹⁰ Sr |
| RIFE-13 2007 | 127, Table 4.5a | The ²¹⁰ Po and ²¹⁰ Pb results are the wrong way round for South Gare winkles. ²¹⁰ Po should be 11 and ²¹⁰ Pb should be 0.46 Bq kg ⁻¹ |
| | 153, Table 5.1 | Derby, the total exposure and exposure from intakes of sediment and water should have been <0.005 mSv. |
| | 161, Section 6 Key points | Line 17 second column should read... • The total dose of 0.008... |
| | 236, Table A4.2B | Trawsfynydd, should read... Adult fish consumers 0.014 Fish, gamma dose rate over sediment, ⁹⁰ Sr, ¹³⁷ Cs, ²⁴¹ Am |
| | 239, Appendix 5 | Line 3 first column should read... ... indicated that it was likely there would be no adverse impact |
| RIFE-14 2008 | 12, Figure S1 | Both bars for Bradwell should be the same height. The bar for exposures due to liquid wastes is wrong. |
| | 33, Section 2 | Springfields, doses to the public Lines 1 & 2 second column should read... ...pathways from gaseous discharges were less than 0.005mSv which was less than 0.5 per cent... |
| | 51, Figure 2.22 | The bar for Whitehaven in 2008 should have been the same height as the bar for 2007 |
| | 109, Section 4 | Gaseous discharges and terrestrial monitoring Line 28, first column should read... The results of monitoring for 2008... |
| RIFE-14 2008 | 167, Table 6.3a | Results for Cardiff East WWTW should have been: |

Page, Section Comment

| Material | Location or selection ^b | No. of sampling observations ^c | Mean radioactivity concentration (fresh) ^a , Bq kg ⁻¹ | | | |
|----------------------------|------------------------------------|---|---|----------------|-----------------------------|-----------------|
| | | | Organic | | | |
| | | | ³ H ^e | ³ H | ³ H ^f | 14 ^c |
| Terrestrial samples | | | | | | |
| Crude effluent | Cardiff East WWTW | 3E | <150 | <220 | 82 | <11 |
| Final effluent | Cardiff East WWTW | 3E | <60 | <70 | 80 | <11 |
| Sludge pellets | Cardiff East WWTW | 3E | | 76000 | | 740 |
| Solids from crude effluent | Cardiff East WWTW | 3E | | <7500 | | <1800 |

225, Table A2.2 Sellafield (sea pipelines) Tritium discharge limit should have read 2×10^4

236, Table A4.2B Trawsfynydd, should read...
Adult fish consumers 0.010 Fish, gamma dose rate over sediment, ⁹⁰Sr, ¹³⁷Cs, ²⁴¹Am

RIFE-15
2009

233, Table A2.1 MoD Coulport under reported discharges for the end of 2009. The ³H discharge for 2009 should have been 3.40 E-03 TBq.

249, Table A4.2B Trawsfynydd, should read...
Adult fish consumers 0.012 Fish, gamma dose rate over sediment, ⁹⁰Sr, ¹³⁷Cs, ²⁴¹Am

RIFE-16
2010

30, Table 1.2B Trawsfynydd, should read...
Adult fish consumers 0.012 Fish, gamma dose rate over sediment, ⁹⁰Sr, ¹³⁷Cs, ²⁴¹Am

37, Section 2 Line 13, paragraph 3, second column should read...
The dose to wildfowlers and farmers from exposure over salt marsh was 0.032 mSv, which was less than 4 per cent of the dose limit for members of the public of 1 mSv. The small decrease in dose from 0.036 mSv (in 2009) was due to lower gamma dose rates over marsh in 2010.

100, Section 3 The graph in Figure 3.2 is missing 2010 data. The data for 2010 is shown in Figure 3.2 RIFE 17

122, Section 4 Line 7, paragraph 1, first column should read...
An increase in the fish and crustacean consumption rates has been observed, together with a decrease in the mollusc and occupancy rates, in comparison with those of the previous survey reported in 2006.

RIFE-16
2010

Appendix 1, Annex 2 Table X2.2 Sellafield Group N winkle consumption should have said 15kg y⁻¹ (not 18 kg y⁻¹)

| | Page, Section | Comment | | | | | | | |
|--------------------|-----------------|---|---------|----------|-------------|----------|---------------|----------|--------|
| RIFE-17 2011 | 52, Section 2 | On Figure 2.14 the year labels from 2004 to 2011 were underneath the bar chart incorrectly and should have been one place to the right, as shown in RIFE 18. | | | | | | | |
| | 61, Section 2 | Springfields ‘Source specific doses’ last entry on the table should read: ‘Consumers of locally grown food’ not ‘Infant consumers of locally grown food’ | | | | | | | |
| | 209, Section 9 | Line 7, paragraph 7, should read: Tritium concentrations in the western English Channel were also very low (Figure 9.7). | | | | | | | |
| | 240, Appendix 2 | Third entry on the table – Capenhurst (Urenco UK) the discharge limits (annual equivalent) ^a Bq column should have read: <table border="1"> <tbody> <tr> <td>Uranium</td> <td>7.50E+06</td> </tr> <tr> <td>Other Alpha</td> <td>2.40E+06</td> </tr> <tr> <td>Technetium-99</td> <td>1.00E+08</td> </tr> <tr> <td>Others</td> <td>2.25E+09</td> </tr> </tbody> </table> | Uranium | 7.50E+06 | Other Alpha | 2.40E+06 | Technetium-99 | 1.00E+08 | Others |
| Uranium | 7.50E+06 | | | | | | | | |
| Other Alpha | 2.40E+06 | | | | | | | | |
| Technetium-99 | 1.00E+08 | | | | | | | | |
| Others | 2.25E+09 | | | | | | | | |
| RIFE-14-17 2011 | CD, Appendix 1 | Table X2.2 Sellafield Q – Ravenglass nature warden assessment, the ingestion and inhalation rates of sediment have been incorrect, they should have read: RIFE-14 3.1 10 ⁻³ kg y ⁻¹ mud by inadvertant ingestion 5.6 10 ⁻⁵ kg y ⁻¹ mud by resuspension and inhalation RIFE-15 3.4 10 ⁻³ kg y ⁻¹ mud by inadvertant ingestion 6.3 10 ⁻⁵ kg y ⁻¹ mud by resuspension and inhalation RIFE-16 3.4 10 ⁻³ kg y ⁻¹ mud by inadvertant ingestion 6.3 10 ⁻⁵ kg y ⁻¹ mud by resuspension and inhalation RIFE-17 3.4 10 ⁻³ kg y ⁻¹ mud by inadvertant ingestion 6.3 10 ⁻⁵ kg y ⁻¹ mud by resuspension and inhalation | | | | | | | |
| RIFE-18 2012 | 134, Table 4.1 | Hinkley Point. These are small changes to the total dose and source specific dose shown below. The apply to relevant points of text, tables (S, 1.2, 1.3, 1.4 and 4.1) and figures (1.1, 4.1 and 6.2). | | | | | | | |

| Site | Exposed population ^a | Exposure, mSv per year | | | | | |
|---------------------------------|--------------------------------------|------------------------|--------------------|------------------|---|--------------------------------|----------------------------|
| | | Total | Fish and shellfish | Other local food | External radiation from intertidal areas or the shoreline | Gaseous plume related pathways | Direct radiation from site |
| Total dose – all sources | Adult occupants over sediment | 0.013 | <0.005 | <0.005 | 0.012 | <0.005 | <0.005 |
| Source specific doses | Seafood consumers | 0.018 | <0.005 | – | 0.017 | – | – |

Page, Section Comment

RIFE-18
2012

240, Appendix 2 Third entry on the table – Sellafield – the discharges during 2012 (Bq and % of annual limitb) columns and should have read:

| | | |
|--------------|----------|-----|
| Beta | 1.03E+09 | 2.5 |
| Antimony-125 | 3.20E+09 | 11 |
| Caesium-137 | 1.59E+08 | 2.7 |

41, Figure 2.3 The River Ribble houseboat dose rate datum for 2012 (figure 2.3, RIFE-18) was plotted incorrectly, it is shown corrected in Figure 2.4 in RIFE-19

134, Table 2.18 Sellafield. These are small changes to the total dose shown below. They apply to relevant points of text, tables (1.2 and 2.18) and figure 2.6.

| Exposed population ^a | Exposure, mSv per year | | | | | | | |
|--|------------------------|---------------------------------------|----------------------------|------------------|---|-------------------------------|--------------------------------|----------------------------|
| | Total | Seafood (nuclear industry discharges) | Seafood (other discharges) | Other local food | External radiation from intertidal areas, river banks or fishing gear | Intakes of sediment and water | Gaseous plume related pathways | Direct radiation from site |
| Total dose – maximum effect of gaseous release and direct radiation sources | | | | | | | | |
| Infant root vegetable consumers | 0.011 | – | – | 0.011 | – | – | – | – |

196, Table 7.7 Discharge data reported previous to RIFE-18 classified as Oil & Gas (Offshore) should have been classified as Oil & Gas (Onshore). This has been corrected for RIFE-18 onwards.

RIFE-19
2013

183, Table 6.1 Cardiff, these are small changes to the *total dose* and source-specific assessments shown below. They apply to relevant parts of text, tables (1.2B, 1.4 and 6.1) and figure (1.3)

| Site | Exposed population ^a | Exposure, mSv per year | | | | | |
|---------------------------------------|--|------------------------|--------------------|------------------|---|--------------------------------|----------------------------|
| | | Total | Fish and shellfish | Other local food | External radiation from intertidal areas or the shoreline | Gaseous plume related pathways | Direct radiation from site |
| Total dose – liquid discharges | Adult occupants over sediment | 0.006 | <0.005 | – | 0.005 | – | – |
| Source specific doses | Prenatal children of seafood consumers | 0.009 | <0.005 | – | 0.009 | – | – |

41, Figure 2.13 The cobalt-60 liquid discharge datum for 2013 (Figure 2.13, RIFE-19) was plotted incorrectly, it is shown corrected in Figure 2.13 in RIFE-20

247, Appendix A2.1 Chapelcross, replace All other nuclides limit of 7.50E+09 Bq with 5.15E+09 Bq

RIFE-19
2013

109, Figure 3.5 The discharge data for ⁶⁰Co and ¹³⁷Cs for 2013 (figure 3.5) were plotted incorrectly, they are shown corrected in Figure 3.5 in RIFE-20

232, Table 8.15 Eu-155 results have been revised

| Location | Sample source | reported ¹⁵⁵ Eu | revised ¹⁵⁵ Eu |
|----------------|--------------------------|----------------------------|---------------------------|
| Firth of Clyde | East of Gull Point | <0.21 | 0.72 |
| Firth of Clyde | SW of Lady Isle | <0.36 | 2.1 |
| Firth of Clyde | East of Johnston's Point | <0.22 | 0.81 |
| Firth of Clyde | East of Brodick | <0.39 | 1.8 |
| Clyde Estuary | The Hole | <0.50 | 2.1 |
| Clyde Estuary | Kempoch Point | <0.43 | 2.7 |

33, Table 1.2 Some data was missing from Table 1.2 C (electronic version only), revised table shown below.

| Table 1.2. continued | | | |
|------------------------------|--|--------------------|--|
| Site | Representative person ^a | Exposure, mSv | |
| | | Total | Dominant contributions ^b |
| C All sources | | | |
| Aldermaston and Burghfield | Infant milk consumer | <0.005 | Milk, ³ Hc, ¹³⁷ Cs ^c , ²³⁸ U |
| Amersham | Local adult inhabitant (0–0.25km) | 0.22 | Direct radiation |
| Barrow | Adult occupant on a houseboat | 0.076 | Gamma dose rate over sediment |
| Berkeley and Oldbury | Adult occupant over sediment | 0.010 | Gamma dose rate over sediment |
| Bradwell | Prenatal child of green vegetable consumers | <0.005 | Green vegetables, potatoes, root vegetables, ¹⁴ C |
| Capenhurst | Local inhabitant aged 10y (0–0.25km) | 0.080 | Direct radiation |
| Cardiff | Infant milk consumer | 0.010 | Milk, ¹⁴ C, ³² Pc |
| Chapelcross | Infant milk consumer | 0.024 | Milk, ⁹⁰ Sr, ²⁴¹ Am ^c |
| Derby | Adult consumer of locally sourced water | <0.005 | Water, ⁶⁰ Co ^c |
| Devonport | Adult fish consumer | <0.005 | Fish, ¹⁴ C, ²⁴¹ Am ^c |
| Downreay | Adult green vegetable consumer | 0.012 | Domestic fruit, potatoes, root vegetables, ¹²⁹ Ic, ²³⁸ Pu ^c , ^{239/240} Pu, ²⁴¹ Am ^c |
| Dungeness | Local adult inhabitant (0.5–1km) | 0.021 | Direct radiation |
| Faslane | Adult occupant over sediment | <0.005 | Gamma dose rate over sediment |
| Hartlepool | Local adult inhabitant (0–0.25km) | 0.024 | Direct radiation, gamma dose rate over sediment |
| Harwell | Prenatal child of local inhabitants (0–0.25km) | 0.010 | Direct radiation |
| Heysham | Adult mollusc consumer | 0.028 | Fish, gamma dose rate over sediment, molluscs, ¹³⁷ Cs, ^{239/240} Pu, ²⁴¹ Am |
| Hinkley Point | Adult occupant over sediment | 0.022 | Gamma dose rate over sediment |
| Hunterston | Prenatal child of local inhabitants (0.25–0.5km) | 0.021 | Direct radiation |
| LLWR near Drigg ^e | Adult fish consumer | 0.061 ^f | Crustaceans, fish, gamma dose rate over sediment, ¹²⁹ Ic, ²¹⁰ Po |
| Rosyth | Adult occupant over sediment | <0.005 | Gamma dose rate over sediment |
| Sellafield ^{e,g} | Adult occupant on a houseboat | 0.076 | Gamma dose rate over sediment |
| Sizewell | Local adult inhabitant (0–0.25km) | 0.021 | Direct radiation |
| Springfields | Adult occupant on a houseboat | 0.060 | Gamma dose rate over sediment |
| Torness | Local adult inhabitant (0.5–1km) | 0.020 | Direct radiation |
| Trawsfynydd | Infant local inhabitant (0.25–0.5km) | 0.017 | Milk, ¹⁴ C, ²⁴¹ Am |
| Whitehaven ^e | Adult fish consumer | 0.061 ^f | Crustaceans, fish, gamma dose rate over sediment, ¹²⁹ Ic, ²¹⁰ Po |
| Winfrith | Infant milk consumer | <0.005 | Milk, ¹⁴ C |
| Wylfa | Adult occupant over sediment | <0.005 | Gamma dose rate over sediment |

^a Selected on the basis of providing the highest dose from the pathways associated with the sources as defined in A, B or C

^b Pathways and radionuclides that contribute more than 10% of the total dose. Some radionuclides are reported as being at the limits of detection and based on these measurements, an upper estimate of dose is calculated

^c The assessed contribution is based on data being wholly at limits of detection

^d The effects of gaseous discharges and direct radiation are not assessed for this site

^e The effects of liquid discharges from Sellafield, Whitehaven and LLWR near Drigg are considered together when assessing exposures at these sites because their effects are manifested in a common area of the Cumbrian coast

^f The doses from man-made and naturally occurring radionuclides were 0.040 and 0.021 mSv respectively. The source of naturally occurring radionuclides was a phosphate processing works near Sellafield at Whitehaven. Minor discharges of radionuclides were also made from the LLWR near Drigg into the same area

^g The highest exposure due to operations at Sellafield was to a person living on a houseboat near Barrow

| | Page, Section | Comment |
|--------------------|----------------|---|
| RIFE-20 2014 | 201, Table 8.1 | Iodine-129 data were entered incorrectly and should be removed with the exception of Alderney <i>Fucus vesiculosus</i> which was undertaken by radiochemistry. All other results reported as ¹²⁹ I were actually ¹³¹ I. |
| RIFE-17-20 2014 | 86, Table 2.11 | The units of Mean beta dose rate in tissue should read uSvh ⁻¹ |