

| WASTE STREAM | 3M15 | Decontamination & Combined Active Waste Building LLW |
|--------------|------|------------------------------------------------------|
|--------------|------|------------------------------------------------------|

**SITE** Heysham 2

**SITE OWNER** EDF Energy Nuclear Generation Ltd (EDFE NGL)

**WASTE CUSTODIAN** EDF Energy Nuclear Generation Ltd (EDFE NGL)

**WASTE TYPE** LLW

#### WASTE VOLUMES

|                        | Reported (m <sup>3</sup> ) | OR           | Conditioned (m <sup>3</sup> ) | Packaged (m <sup>3</sup> ) |
|------------------------|----------------------------|--------------|-------------------------------|----------------------------|
| Stocks:                | At 1.4.2025                | = 9.0        |                               |                            |
| Future arisings:       | 1.4.2025 - 31.3.2026       | = 15.8       |                               |                            |
|                        | 1.4.2026 - 31.3.2027       | = 15.8       |                               |                            |
|                        | 1.4.2027 - 31.3.2028       | = 15.8       |                               |                            |
|                        | 1.4.2028 - 31.3.2029       | = 15.8       |                               |                            |
|                        | 1.4.2029 - 31.3.2030       | = 15.8       |                               |                            |
|                        | 1.4.2030 - 31.3.2031       | = 15.8       |                               |                            |
|                        | 1.4.2031 - 31.3.2032       | = 15.8       |                               |                            |
|                        | 1.4.2032 - 31.3.2033       | = 15.8       |                               |                            |
|                        | 1.4.2033 - 31.3.2034       | = 15.8       |                               |                            |
|                        | 1.4.2034 - 31.3.2035       | = 15.8       |                               |                            |
| Total future arisings: |                            | <b>157.5</b> |                               |                            |
| Total waste volume:    |                            | <b>166.5</b> |                               |                            |

Number of waste packages in stock: At 1.4.2025..... - packages

Comment on arising rates: Waste volumes will be variable depending on station operating conditions.

Additional information on quantities: -

Uncertainty factors on volumes:

|                |        |                   |        |
|----------------|--------|-------------------|--------|
| Stock (upper): | x 1.25 | Arisings (upper): | x 1.75 |
| Stock (lower): | x 0.75 | Arisings (lower): | x 0.25 |

**WASTE SOURCE** Waste stream covers general solid LLW arisings from the decontamination workshop, operations and maintenance of the active effluent treatment plant and operation of the active laundry. The following areas are included in this process: Decontamination Workshop, Combined Active Waste Building incl. Active Effluent Treatment Plant and Active Laundry.

#### PHYSICAL CHARACTERISTICS

General description: Wastes from these areas are mixed materials such as metal items, spent filters, redundant plant items, cables, soft waste, wood, heavy duty plastic and rubber waste. Other materials such as asbestos, dried paint, fibre glass, glass, grease, lagging, oily pads, and plaster may be generated.

Changes since waste generated: Any free liquids will be removed as far as practical during the sorting process and disposed via an appropriate effluent route. The site does undertake volume reduction by low force compaction, but this is principally to incinerable waste.

Bulk density (t/m<sup>3</sup>): = 0.26

Comment on density: Density based on raw volume and weight at arising as provided in WCH.

#### CHEMICAL COMPOSITION

General description and components (%wt): Stainless steel (11%), mild steel (28%), Copper (3%), Aluminium (3%), Concrete/rubble (1%), Soil (1%), Biodegradable-non putrescibles (21%), Plastics (halogenated) (5%), Plastics (non-halogenated) (6%), Rubber (13%), Wood (5%), Other Organic (1%), Others (2%)

Chemical state: Neutral

Sheet metal proportion / thickness: Metal thicknesses will be variable.

Metals and alloys (%wt):

|                           | (%wt)  | Type(s) / Grades(s) with proportions                 | % of total C14 activity |
|---------------------------|--------|------------------------------------------------------|-------------------------|
| Stainless steel.....      | ~ 11.0 | Metallic plant items/ equipment                      |                         |
| Other ferrous metals..... | ~ 28.0 | Mild steel-Metallic plant items/ equipment and drums |                         |
| Iron.....                 | NE     | -                                                    |                         |
| Aluminium.....            | ~ 3.0  | Metallic plant items/ equipment                      |                         |
| Beryllium.....            | NE     | -                                                    |                         |
| Cobalt.....               | NE     | -                                                    |                         |
| Copper.....               | ~ 3.0  | e.g. cables and piping                               |                         |
| Lead.....                 | NE     | -                                                    |                         |
| Magnox/Magnesium.....     | NE     | -                                                    |                         |
| Nickel.....               | NE     | -                                                    |                         |
| Titanium.....             | NE     | -                                                    |                         |
| Uranium.....              | NE     | -                                                    |                         |
| Zinc.....                 | NE     | -                                                    |                         |
| Zircaloy/Zirconium.....   | NE     | -                                                    |                         |
| Other metals.....         | NE     | -                                                    |                         |

Organics (%wt):

|                                     | (%wt)  | Type(s) and comment | % of total C14 activity |
|-------------------------------------|--------|---------------------|-------------------------|
| Total cellulose.....                | ~ 26.0 | -                   |                         |
| Paper, cotton.....                  | ~ 21.0 | -                   |                         |
| Wood.....                           | ~ 5.0  | -                   |                         |
| Halogenated plastics.....           | ~ 5.0  | -                   |                         |
| Total non-halogenated plastics..... | ~ 6.0  | -                   |                         |
| Condensation polymers.....          | NE     | -                   |                         |
| Others.....                         | NE     | -                   |                         |
| Organic ion exchange materials..... | = 0    | -                   |                         |
| Total rubber.....                   | ~ 13.0 | -                   |                         |
| Halogenated rubber.....             | NE     | -                   |                         |
| Non-halogenated rubber.....         | NE     | -                   |                         |
| Hydrocarbons.....                   | ~ 1.0  | -                   |                         |
| Oil or grease.....                  | ~ 1.0  | -                   |                         |
| Fuel.....                           | -      | -                   |                         |
| Asphalt/Tarmac (cont.coal tar)..... | -      | -                   |                         |
| Asphalt/Tarmac (no coal tar).....   | -      | -                   |                         |
| Bitumen.....                        | -      | -                   |                         |
| Others.....                         | -      | -                   |                         |
| Other organics.....                 | ~ 1.0  | -                   |                         |

Other materials (%wt):

|                                       | (%wt) | Type(s) and comment | % of total C14 activity |
|---------------------------------------|-------|---------------------|-------------------------|
| Inorganic ion exchange materials..... | = 0   | -                   |                         |
| Inorganic sludges and flocs.....      | = 0   | -                   |                         |
| Soil.....                             | = 1.0 | -                   |                         |
| Brick/Stone/Rubble.....               | = 0   | -                   |                         |
| Cementitious material.....            | ~ 1.0 | Concrete/rubble     |                         |
| Sand.....                             | = 0   | -                   |                         |
| Glass/Ceramics.....                   | = 0   | -                   |                         |
| Graphite.....                         | = 0   | -                   |                         |
| Desiccants/Catalysts.....             | = 0   | -                   |                         |
| Asbestos.....                         | = 1.0 | -                   |                         |
| Non/low friable.....                  | -     | -                   |                         |
| Moderately friable.....               | -     | -                   |                         |
| Highly friable.....                   | 1.0   | -                   |                         |
| Free aqueous liquids.....             | = 0   | -                   |                         |
| Free non-aqueous liquids.....         | = 0   | -                   |                         |
| Powder/Ash.....                       | = 0   | -                   |                         |

#### COMPONENTS OF MATERIALS, WASTE PROPERTIES, MATERIALS NOT CONTRIBUTING TO MASS

Inorganic anions (%wt):

|                | (%wt) | Type(s) and comment |
|----------------|-------|---------------------|
| Fluoride.....  | NE    | -                   |
| Chloride.....  | NE    | -                   |
| Iodide.....    | NE    | -                   |
| Cyanide.....   | NE    | -                   |
| Carbonate..... | NE    | -                   |
| Nitrate.....   | NE    | -                   |
| Nitrite.....   | NE    | -                   |
| Phosphate..... | NE    | -                   |
| Sulphate.....  | NE    | -                   |
| Sulphide.....  | NE    | -                   |

Materials of interest for waste acceptance criteria:

|                                                | (%wt)  | Type(s) and comment |
|------------------------------------------------|--------|---------------------|
| Combustible metals.....                        | = 0    | -                   |
| Low flash point liquids.....                   | = 0    | -                   |
| Explosive materials.....                       | = 0    | -                   |
| Phosphorus.....                                | = 0    | -                   |
| Hydrides.....                                  | = 0    | -                   |
| Biological etc. materials.....                 | = 0    | -                   |
| Biodegradable materials.....                   | = 0    | -                   |
| Putrescible wastes.....                        | = 0    | -                   |
| Non-putrescible wastes.....                    | ~ 21.0 | -                   |
| Corrosive materials.....                       | = 0    | -                   |
| Pyrophoric materials.....                      | = 0    | -                   |
| Generating toxic gases.....                    | = 0    | -                   |
| Reacting with water.....                       | = 0    | -                   |
| Higher activity particles.....                 | = 0    | Not expected        |
| Soluble solids as bulk chemical compounds..... | = 0    | -                   |

Hazardous substances / non hazardous pollutants:

|                             | (%wt) | Type(s) and comment |
|-----------------------------|-------|---------------------|
| Acrylamide.....             | NE    | -                   |
| Benzene.....                | NE    | -                   |
| Chlorinated solvents.....   | NE    | -                   |
| Formaldehyde.....           | NE    | -                   |
| Organometallics.....        | NE    | -                   |
| Phenol.....                 | NE    | -                   |
| Styrene.....                | NE    | -                   |
| Tri-butyl phosphate.....    | NE    | -                   |
| Other organophosphates..... | NE    | -                   |
| Vinyl chloride.....         | NE    | -                   |
| Arsenic.....                | NE    | -                   |
| Barium.....                 | NE    | -                   |
| Boron.....                  | NE    | -                   |
| Boron (in Boral).....       | NE    | -                   |
| Boron (non-Boral).....      | NE    | -                   |
| Cadmium.....                | NE    | -                   |
| Caesium.....                | NE    | -                   |
| Selenium.....               | NE    | -                   |
| Chromium.....               | NE    | -                   |
| Molybdenum.....             | NE    | -                   |
| Thallium.....               | NE    | -                   |
| Tin.....                    | NE    | -                   |
| Vanadium.....               | NE    | -                   |
| Mercury compounds.....      | = 0   | -                   |
| Others.....                 | NE    | -                   |

Complexing agents (%wt):

| Yes                            |        |                     |
|--------------------------------|--------|---------------------|
|                                | (%wt)  | Type(s) and comment |
| EDTA.....                      | NE     | -                   |
| DPTA.....                      | NE     | -                   |
| NTA.....                       | NE     | -                   |
| Polycarboxylic acids.....      | NE     | -                   |
| Other organic complexants..... | ~ 0.02 | Decon 90            |
| Total complexing agents.....   | = 0.02 | -                   |

Physical components:

|                                         | Number | Type(s) and comment                                                      |
|-----------------------------------------|--------|--------------------------------------------------------------------------|
| Sources.....                            | = 0    | -                                                                        |
| Electronic & Electrical Equipment (EEE) |        | -                                                                        |
| EEE Type 1.....                         | < 10   | EEE is not expected, however an allowance of 10 items is made in the WCH |
| EEE Type 2.....                         | < 10   | EEE is not expected, however an allowance of 10 items is made in the WCH |
| EEE Type 3.....                         | < 10   | EEE is not expected, however an allowance of 10 items is made in the WCH |
| EEE Type 4.....                         | < 10   | EEE is not expected, however an allowance of 10 items is made in the WCH |
| EEE Type 5.....                         | -      | -                                                                        |

## TREATMENT, PACKAGING AND DISPOSAL

Planned on-site / off-site treatment(s):

| Treatment                                                  | On-site / Off-site | Stream volume % |
|------------------------------------------------------------|--------------------|-----------------|
| Size reduction                                             |                    |                 |
| Decay storage                                              |                    |                 |
| Low force compaction                                       |                    |                 |
| Supercompaction (HFC)                                      | Off-site           | ~ 2.0           |
| Incineration                                               | Off-site           | ~ 73.0          |
| Drying/dewatering/liquid separation                        |                    |                 |
| Tie down/fixatives/strippable coating/painting application |                    |                 |
| Decontamination                                            |                    |                 |
| Metal treatment                                            | Off-site           | 14.0            |
| Recycling / reuse                                          |                    |                 |
| Thermal treatment, including vitrification                 |                    |                 |
| Encapsulation                                              |                    |                 |
| Polymer encapsulation                                      |                    |                 |
| Other physical treatment                                   |                    |                 |
| Other chemical treatment                                   |                    |                 |
| Containerisation                                           |                    |                 |
| Treatment not yet determined                               |                    | ~ 1.0           |
| None                                                       | Off-site           | ~ 10.0          |

Comments on planned treatments:

In line with the waste hierarchy, wastes will be treated preferentially by incineration, metal decontamination/melting, supercompaction, optimal packaging in HHISOs or immobilisation by encapsulation where necessary, prior to ultimate disposal at the LLW Repository. These treatments will be carried out off-site under contract with companies such as LLWR Ltd, Cyclife, Tradebe Inutec.

Conditioning method:

-

Conditioning plants:

| Plant Name | Location |
|------------|----------|
|            |          |

Likely conditioning matrix:

-

Further information on the conditioning matrix:

-

### Waste Packaging:

Likely container type:

| Container                                          | Waste packaged (vol%) | Waste loading (m³) | Payload (m³) | Number of packages | Estimated start date for packaging |
|----------------------------------------------------|-----------------------|--------------------|--------------|--------------------|------------------------------------|
| 1/2 Height IP-2 Disposal/Re-usable ISO (TC01/TC02) | 12.0                  | 30.4               | 18.3         | 1                  | -                                  |

Range in container waste loading:

Other information on packaging and conditioning:

Waste loading is representative of the raw waste following further planned treatments. Supercompaction assumed to reduce volume to 20% of original. Solidification assumed to increase volume to 300% of original. No treatment results in the same volume.

Conditioned density (t/m³):

-

Conditioned density comment:

-

### Management Routes:

| Disposal Route                                                                     | Stream volume % | Raw density t/m³ | Start date |
|------------------------------------------------------------------------------------|-----------------|------------------|------------|
| Expected to be consigned to a Near Site, Near Surface Disposal Facility (Scotland) |                 |                  |            |
| Expected to be Non-NSD HAW managed under Scottish Government's policy              |                 |                  |            |
| Expected to be disposed to LLW Vaults NRS Dounreay                                 |                 |                  |            |
| Expected to be consigned to the Geological Disposal Facility                       |                 |                  |            |
| Expected to be consigned to a Near Surface Disposal Facility                       |                 |                  |            |
| Expected to be consigned to the LLW Repository                                     | ~ 12.0          |                  |            |
| Expected to be consigned to a Landfill Facility                                    |                 |                  |            |
| Expected to be disposed On-Site                                                    |                 |                  |            |
| Expected to be managed by In-Situ Disposal                                         |                 |                  |            |
| Expected to be consigned to an Incineration Facility                               | ~ 73.0          |                  |            |
| Expected to be consigned to a Metal Treatment Facility                             | ~ 14.0          |                  |            |
| Expected to be Out of Scope                                                        |                 |                  |            |
| Expected to be recycled / reused                                                   | ~ 1.0           |                  |            |
| Disposal route not known                                                           |                 |                  |            |

Classification codes for waste expected to be consigned to a landfill facility:

Opportunities for alternative disposal routing: No

| Baseline Management Route | Opportunity Management Route | Stream volume (%) | Opportunity Confidence | Comment |
|---------------------------|------------------------------|-------------------|------------------------|---------|
| -                         | -                            | -                 | -                      | -       |

#### RADIOACTIVITY

Source: Contamination will be main source of activity.

Uncertainty: The main uncertainties in waste stream fingerprints arise from the underlying assumptions for the fingerprinting process, including in the waste mapping data.

Measurement of radioactivities: The total activity has been estimated by applying the fingerprint for the date of arisings. For consignments this will be decayed, but the decay time will vary depending on the storage time for the waste. Therefore, the total given in this WCH is pessimistic, but not considered overly conservative.

Chemical form of radionuclides: H-3: Tritiated water  
C-14: Contamination by activated graphite and metallic particulate  
Cl-36: To be determined  
Se-79: Not expected to be significant  
Tc-99: Not expected to be significant  
I-129: To be determined  
Ra: Not expected to be significant  
Th: Not expected to be significant  
U: To be determined  
Np: Not expected to be significant  
Pu: To be determined

| WASTE STREAM 3M15 Decontamination & Combined Active Waste Building LLW |                            |                |                 |                |                  |                            |                |                 |                |
|------------------------------------------------------------------------|----------------------------|----------------|-----------------|----------------|------------------|----------------------------|----------------|-----------------|----------------|
| Nuclide                                                                | Mean radioactivity, TBq/m³ |                |                 |                | Nuclide          | Mean radioactivity, TBq/m³ |                |                 |                |
|                                                                        | Waste at 1.4.2025          | Bands and Code | Future Arisings | Bands and Code |                  | Waste at 1.4.2025          | Bands and Code | Future Arisings | Bands and Code |
| H 3                                                                    | 6.86E-07                   | C C 1          | 6.86E-07        | C C 1          | Gd 153           |                            |                |                 |                |
| Be 10                                                                  |                            |                |                 |                | Ho 163           |                            |                |                 |                |
| C 14                                                                   | 5.62E-08                   | C C 1          | 5.62E-08        | C C 1          | Ho 166m          |                            |                |                 |                |
| Na 22                                                                  |                            |                |                 |                | Tm 170           |                            |                |                 |                |
| Al 26                                                                  |                            |                |                 |                | Tm 171           |                            |                |                 |                |
| Cl 36                                                                  | 1.03E-08                   | C C 1          | 1.03E-08        | C C 1          | Lu 174           |                            |                |                 |                |
| Ar 39                                                                  |                            |                |                 |                | Lu 176           |                            |                |                 |                |
| Ar 42                                                                  |                            |                |                 |                | Hf 178n          |                            |                |                 |                |
| K 40                                                                   |                            |                |                 |                | Hf 182           |                            |                |                 |                |
| Ca 41                                                                  |                            |                |                 |                | Pt 193           |                            |                |                 |                |
| Mn 53                                                                  |                            |                |                 |                | Ti 204           |                            |                |                 |                |
| Mn 54                                                                  | 2.04E-07                   | C C 1          | 2.04E-07        | C C 1          | Pb 205           |                            |                |                 |                |
| Fe 55                                                                  | 6.10E-06                   | C C 1          | 6.10E-06        | C C 1          | Pb 210           |                            |                |                 |                |
| Co 60                                                                  | 1.02E-06                   | C C 1          | 1.02E-06        | C C 1          | Bi 208           |                            |                |                 |                |
| Ni 59                                                                  |                            |                |                 |                | Bi 210m          |                            |                |                 |                |
| Ni 63                                                                  | 3.81E-07                   | C C 1          | 3.81E-07        | C C 1          | Po 210           |                            |                |                 |                |
| Zn 65                                                                  | 2.16E-08                   | C C 1          | 2.16E-08        | C C 1          | Ra 223           |                            |                |                 |                |
| Se 79                                                                  |                            |                |                 |                | Ra 225           |                            |                |                 |                |
| Kr 81                                                                  |                            |                |                 |                | Ra 226           |                            |                |                 |                |
| Kr 85                                                                  |                            |                |                 |                | Ra 228           |                            |                |                 |                |
| Rb 87                                                                  |                            |                |                 |                | Ac 227           |                            |                |                 |                |
| Sr 90                                                                  | 6.10E-09                   | C C 1          | 6.10E-09        | C C 1          | Th 227           |                            |                |                 |                |
| Zr 93                                                                  |                            |                |                 |                | Th 228           |                            |                |                 |                |
| Nb 91                                                                  |                            |                |                 |                | Th 229           |                            |                |                 |                |
| Nb 92                                                                  |                            |                |                 |                | Th 230           |                            |                |                 |                |
| Nb 93m                                                                 |                            |                |                 |                | Th 232           |                            |                |                 |                |
| Nb 94                                                                  | 1.02E-09                   | C C 1          | 1.02E-09        | C C 1          | Th 234           |                            |                |                 |                |
| Mo 93                                                                  |                            |                |                 |                | Pa 231           |                            |                |                 |                |
| Tc 97                                                                  |                            |                |                 |                | Pa 233           |                            |                |                 |                |
| Tc 99                                                                  |                            |                |                 |                | U 232            |                            |                |                 |                |
| Ru 106                                                                 | 2.74E-08                   | C C 1          | 2.74E-08        | C C 1          | U 233            |                            |                |                 |                |
| Pd 107                                                                 |                            |                |                 |                | U 234            | 1.05E-11                   | C C 1          | 1.05E-11        | C C 1          |
| Ag 108m                                                                | 1.40E-09                   | C C 1          | 1.40E-09        | C C 1          | U 235            | 1.67E-13                   | C C 1          | 1.67E-13        | C C 1          |
| Ag 110m                                                                | 2.01E-08                   | C C 1          | 2.01E-08        | C C 1          | U 236            | 2.67E-12                   | C C 1          | 2.67E-12        | C C 1          |
| Cd 109                                                                 |                            |                |                 |                | U 238            | 3.09E-12                   | 1              | 3.09E-12        | 1              |
| Cd 113m                                                                |                            |                |                 |                | Np 237           |                            |                |                 |                |
| Sn 119m                                                                |                            |                |                 |                | Pu 236           |                            |                |                 |                |
| Sn 121m                                                                |                            |                |                 |                | Pu 238           | 4.57E-09                   | C C 1          | 4.57E-09        | C C 1          |
| Sn 123                                                                 |                            |                |                 |                | Pu 239           | 1.91E-09                   | C C 1          | 1.91E-09        | C C 1          |
| Sn 126                                                                 |                            |                |                 |                | Pu 240           | 4.45E-09                   | C C 1          | 4.45E-09        | C C 1          |
| Sb 125                                                                 | 2.16E-09                   | C C 1          | 2.16E-09        | C C 1          | Pu 241           | 1.84E-07                   | C C 1          | 1.84E-07        | C C 1          |
| Sb 126                                                                 |                            |                |                 |                | Pu 242           |                            |                |                 |                |
| Te 125m                                                                |                            |                |                 |                | Am 241           | 8.13E-09                   | C C 1          | 8.13E-09        | C C 1          |
| Te 127m                                                                |                            |                |                 |                | Am 242m          |                            |                |                 |                |
| I 129                                                                  | 2.17E-14                   |                | 2.17E-14        |                | Am 243           |                            |                |                 |                |
| Cs 134                                                                 | 9.78E-09                   | C C 1          | 9.78E-09        | C C 1          | Am 242           | 5.72E-09                   | C C 1          | 5.72E-09        | C C 1          |
| Cs 135                                                                 |                            |                |                 |                | Cm 243           | 3.32E-11                   | C C 1          | 3.32E-11        | C C 1          |
| Cs 137                                                                 | 6.76E-08                   | C C 1          | 6.76E-08        | C C 1          | Cm 244           | 2.29E-09                   | C C 1          | 2.29E-09        | C C 1          |
| Ba 133                                                                 | 7.62E-10                   | C C 1          | 7.62E-10        | C C 1          | Cm 245           |                            |                |                 |                |
| La 137                                                                 |                            |                |                 |                | Cm 246           |                            |                |                 |                |
| La 138                                                                 |                            |                |                 |                | Cm 248           |                            |                |                 |                |
| Ce 144                                                                 | 1.39E-08                   | C C 1          | 1.39E-08        | C C 1          | Cf 249           |                            |                |                 |                |
| Pm 145                                                                 |                            |                |                 |                | Cf 250           |                            |                |                 |                |
| Pm 147                                                                 | 5.46E-09                   | C C 1          | 5.46E-09        | C C 1          | Cf 251           |                            |                |                 |                |
| Sm 147                                                                 |                            |                |                 |                | Cf 252           |                            |                |                 |                |
| Sm 151                                                                 |                            |                |                 |                | Unsp a           |                            |                |                 |                |
| Eu 152                                                                 | 1.91E-09                   | C C 1          | 1.91E-09        | C C 1          | Unsp b/g         | 8.74E-07                   | C C 1          | 8.74E-07        | C C 1          |
| Eu 154                                                                 | 2.03E-09                   | C C 1          | 2.03E-09        | C C 1          | <b>Total a</b>   | <b>2.71E-08</b>            | *              | <b>2.71E-08</b> | *              |
| Eu 155                                                                 | 1.65E-09                   | C C 1          | 1.65E-09        | C C 1          | <b>Total b/g</b> | <b>9.70E-06</b>            | *              | <b>9.70E-06</b> | *              |

#### Bands (Upper and Lower)

A a factor of 1.5  
B a factor of 3  
C a factor of 10  
D a factor of 100  
E a factor of 1000

Note: Bands quantify uncertainty in the mean radioactivity.

#### Code

1 Measured activity  
2 Derived activity (best estimate)  
3 Derived activity (upper limit)  
4 Not present  
5 Present but not significant  
6 Likely to be present but not assessed  
7 Present in significant quantities but not determined  
8 Not expected to be present in significant quantity  
\* Total calculated from the 114 declared radionuclides