SITE Capenhurst SITE OWNER Urenco **WASTE CUSTODIAN URENCO** LLW; SPD1 **WASTE TYPE** Is the waste subject to Nο Scottish Policy: **WASTE VOLUMES** Reported At 1.4.2022..... Stocks: 20.0 m³ Future arisings -1.4.2022 - 31.3.2023...... 40.0 m³ 1.4.2023 - 31.3.2024...... 20.0 m³ 1.4.2024 - 31.3.2025...... 20.0 m³ 1.4.2025 - 31.3.2037...... 240.0 m³ Total future arisings: 320.0 m³ 340.0 m³ Total waste volume: Comment on volumes: Improved characterisation techniques in addition to environmental improvement works are expected to result in the majority of this wastestream being characterised as Out of Scope. Following completion of desludging operations, it is expected that the quantities of sludge generated will reduce significantly. In addition, it is assumed that the improved characterisation techniques will result in more Out of Scope waste. Uncertainty factors on Stock (upper): x 2.0 Arisings (upper) x 2.0 volumes: Stock (lower): x 0.5 Arisings (lower) x 0.5 **WASTE SOURCE** Sewage Treatment Plant PHYSICAL CHARACTERISTICS Dewatered sewage sludge mixed with absorbent granules loaded into 1m3 fabric IP-1 General description: packages. The sludge is dewatered by processing out the liquor content. The liquor is returned to the sewage treatment plant. Absorbent granules are added to the pressed sludge. Pressed sewage sludge to remove liquor content mixed with approx 5% volume of Physical components (%wt): absorbent granules. Sealed sources: The waste does not contain sealed sources. Bulk density (t/m3): ~~1.5 Comment on density: Determined via weight and volume of mixed pressed sludge CHEMICAL COMPOSITION General description and Contaminated with uranics from the enrichment buildings components (%wt): Chemical state: Neutral Chemical form of U: U3O8, UF4, UO2 radionuclides: Metals and alloys (%wt): % of total C14 (%wt) Type(s) / Grade(s) with proportions activity Stainless steel..... Other ferrous metals..... Iron..... Aluminium..... Beryllium..... Cobalt.....

Copper.....

	Lead			
	Magnox/Magnesium			
	Nickel			
	Titanium			
	Uranium			
	Zinc			
	Zircaloy/Zirconium			
	Other metals			
Organics	s (%wt): -			
		(%wt)	Type(s) and comment	% of total C14
	Total cellulosics			activity
	Paper, cotton			
	Wood			
	Halogenated plastics			
	Total non-halogenated plastics			
	Condensation polymers			
	Others			
	Organic ion exchange materials			
	Total rubber			
	Halogenated rubber			
	Non-halogenated rubber			
	Hydrocarbons			
	Oil or grease			
	Fuel			
	Asphalt/Tarmac (cont.coal tar)			
	Asphalt/Tarmac (no coal tar)			
	Bitumen			
	Others			
	Other organics	~95.0	Pressed sewage sludge	
Other ma	aterials (%wt):			
		(%wt)	Type(s) and comment	% of total C14
		(/owt)	rype(s) and comment	activity
	Inorganic ion exchange materials			
	Inorganic sludges and flocs			
	Soil			
	Brick/Stone/Rubble			
	Cementitious material			
	Sand			
	Glass/Ceramics			
	Graphite			
	Desiccants/Catalysts			
	Asbestos			

Non/low friable		
Moderately friable		
Highly friable		
Free aqueous liquids		
Free non-aqueous liquids		
Powder/Ash	~5.0	Absorbent granules (wood) and fabric IP1 bag
Inorganic anions (%wt): To be characterised	I	
	(%wt)	Type(s) and comment
Fluoride		
Chloride		
lodide		
Cyanide		
Carbonate		
Nitrate		
Nitrite		
Phosphate		
Sulphate		
Sulphide		
Materials of interest for N/A waste acceptance criteria:		
	(%wt)	Type(s) and comment
Combustible metals		
Low flash point liquids		
Explosive materials		
Phosphorus		
Hydrides		
Biological etc. materials		
Biodegradable materials		
Putrescible wastes	Р	Pressed sewage sludge
Non-putrescible wastes		
Corrosive materials		
Pyrophoric materials		
Generating toxic gases		
Reacting with water		
Higher activity particles		
Soluble solids as bulk chemical compounds		
Hazardous substances / N/A non hazardous pollutants:		
	(%wt)	Type(s) and comment
Acrylamide	(- · · · · · · · · · · · · · · · · · ·	<i>7</i> 1 (<i>7</i>)
Benzene		

Chlorinated solvents		
Formaldehyde		
Organometallics		
Phenol		
Styrene		
Tri-butyl phosphate		
Other organophosphates		
Vinyl chloride		
Arsenic		
Barium		
Boron		
Boron (in Boral)		
Boron (non-Boral)		
Cadmium		
Caesium		
Selenium		
Chromium		
Molybdenum		
Thallium		
Tin		
Vanadium		
Mercury compounds		
Others		
Electronic Electrical Equipment (EEE)		
EEE Type 1		
EEE Type 2		
EEE Type 3		
EEE Type 4		
EEE Type 5		
Complexing agents (%wt): No		
	(%wt)	Type(s) and comment
EDTA	,	, ,
DPTA		
NTA		
Polycarboxylic acids		
Other organic complexants		
Total complexing agents		
Potential for the waste to No. contain discrete items:		

2022 Inventory

WASTE STREAM 8A06

Dewatered Sewage Sludge

TREATMENT, PACKAGING AND DISPOSAL

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

Treatment	On-site / Off site	Stream volume %
Low force compaction		
Supercompaction (HFC)		
Incineration		
Solidification		
Decontamination		
Metal treatment		
Size reduction		
Decay storage		
Recyling / reuse		
Other / various	On-site	100.0
None		

Comment on planned treatments:

Pressed sludge to remove liquor content and absorbent granules added.

Disposal Routes:

Disposal Route	Stream volume %	Disposal density t/m3
Expected to be consigned to the LLW Repository Expected to be consigned to a Landfill Facility Expected to be consigned to an On-Site Disposal Facility Expected to be consigned to an Incineration Facility Expected to be consigned to a Metal Treatment Facility Expected to be consigned as Out of Scope Expected to be recycled / reused Disposal route not known	100.0	~~1.5

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

Non-hazardous. EWC Code - 19 08 05

Upcoming (2022/23-2024/25) Waste Routing (if expected to change from above):

Disposal Route	Stream volume %			
Disposal Route	2022/23	2023/24	2024/25	
Expected to be consigned to the LLW Repository Expected to be consigned to a Landfill Facility Expected to be consigned to an On-Site Disposal Facility Expected to be consigned to an Incineration Facility Expected to be consigned to a Metal Treatment Facility Expected to be consigned as Out of Scope Expected to be recycled / reused Disposal route not known				

Opportunities for alternative disposal routing:

			Estimated		
Baseline Management Route	Opportunity Management Route	Stream volume (%)	Date that Opportunity will be realised	Opportunity Confidence	Comment

Waste Packaging for Disposal: (Not applicable to this waste stream)

Container	Stream volume %	Waste loading m ³	Number of packages
1/3 Height IP-1 ISO 2/3 Height IP-2 ISO 1/2 Height WAMAC IP-2 ISO 1/2 Height IP-2 Disposal/Re-usable ISO 2m box (no shielding)			. 0
4m box (no shielding) Other			

Other information: All pressed sludge to be loaded into IP-1 bags or 210 litre IP-2 Drums for

disposal.

Waste Planned for Disposal at the LLW Repository: (Not applicable to this waste stream)

Container voidage: -

Waste Characterisation

Form (WCH):

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Waste consigned for disposal to LLWR in year of generation:

Non-Containerised Waste for In-Vault Grouting: (Not applicable to this waste stream)

Stream volume (%):

Waste stream variation: -

Bounding cuboidal volume:

Inaccessible voidage: -

Other information:

RADIOACTIVITY

Source: Uranium enrichment and recovery operations.

Uncertainty: Batches are sampled every quarter to confirm radioactive content. Pessimistic sample

analysis data is used for disposal as the wastestream is heterogeneous.

Definition of total alpha

and total beta/gamma:

Where totals are shown on the table of radionuclide activities they are the sums of the listed alpha or beta/gamma emitting radionuclides plus 'other alpha' or 'other beta/gamma'.

Measurement of radioactivities:

Estimated total activity content from existing sampling. Multiplied by total volume, divided

by total weight (estimated).

Other information: -

Nuclide	Bands and Code
Be 10 C 14 Na 22 Al 26 C 136 Ar 39 Ar 42 K 40 C a 41 Mn 53 Mn 53 Mn 54 Fe 55 C 0 60 Ni 59 Ni 63 Z n 65 Se 79 Kr 81 Kr 85 Rb 87 SF 90 Z r 93 Nb 91 Nb 92 Nb 93 Nb 91 Nb 92 Nb 93 Nb 91 Nb 92 Nb 93 Nb 94 Mo 93 T c 97 T c 99 -7.09E-06 C C 2 -8.3E-04 C C 2 -8.3E-04 C C 2 -8.3E-04 C C 2 Ho 163 Ho 166m Tm 170 Tm 171 Lu 174 Lu 174 Lu 176 Hf 178n Hf 182 Pt 193 Tl 204 Pb 205 Pb 210 Bi 208 Bi 210m Po 210 Ra 223 Ra 225 Ra 226 Ra 228 Rb 87 SF 90 Z r 93 Nb 91 Nb 92 Nb 93 Nb 91 Nb 94 Mo 93 T c 97 T c 99 -7.09E-06 C C 2 -8.3E-04 C C 2 U 232 U 234 U 234 U 234 U 234 U 234 U 235 -3.33E-07 C C -3.33E-07 C C -3.33E-07	
C 14 Na 22 Al 26 Al 26 Cl 36 Al 39 Ar 42 K 40 Ca 41 Mn 53 Mn 54 Fe 55 Co 60 Ni 59 Ni 63 Zn 65 Se 79 Kr 81 Kr 85 Rr 85 Rr 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 93 Nb 91 Nb 92 Nb 93 Nb 91 Nb 92 Nb 93 Nb 94 Mo 93 Tc 97 Tc 99 -7.09E-06 CC 2 -8.3E-04 CC 2 Ho 166m Tm 170 Tm 171 Lu 174 Lu 176 Hf 178 Hf 182 Pt 193 Ti 204 Pb 205 Pb 210 Bi 208 Bi 210m Po 210 Ra 223 Ra 225 Ra 226 Ra 228 Rb 87 Rb 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 93 Nb 91 Nb 92 Nb 93 Nb 94 Mo 93 Tc 97 Tc 99 -7.09E-06 CC 2 -8.3E-04 CC 2 U 232 U 232 U 234 U 234 -8.3E-06 CC 2 -3.33E-07 CC -3.33E-07 CC -3.33E-07 CC -3.33E-07	
Na 22	
Al 26 Cl 36 Ar 39 Ar 42 K 40 Ca 41 Mn 53 Mn 54 Fe 55 Co 60 Ni 59 Ni 63 Zn 65 Se 79 Kr 81 Kr 85 Re 3226 Rb 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 93 Nb 91 Nb 92 Nb 93 Nb 94 Mo 93 Tc 97 Tc 99 -7.09E-06 CC 2 -8.3E-04 CC 2 U 232 -2.6E-08 CC 2 -8.3E-04 CC 2 U 233 -8.3E-06 CC -8.3E-06 CC -8.3E-06 CC -3.33E-07 CC Tm 171 Lu 174 Lu 176 Hf 182 Pc 176 Hf 178 Rn 182 Pc 193 Rf 182 Rf	
CI 36 Ar 39 Ar 42 K 40 Ca 41 Mn 53 Mn 54 Fe 55 Co 60 Ni 59 Ni 63 Zn 65 Se 79 Kr 81 Kr 85 Rb 87 Sr 90 Zr 93 Nb 91 Nb 91 Nb 92 Nb 93m Nb 94 Mo 93 Tc 97 Tc 99 -7.09E-06 CC 2 Ra 3E-04 CC 2 U 233 Pa 233 Tc 97 Tc 99 -7.09E-06 CC 2 Ra 3E-04 CC 2 U 233 U 233 U 235 U 235 U 235 U 236 CC 60 CC 60 Ra 227 CC 60 Ra 228 Ra 226 Ra 226 Ra 226 Ra 226 Ra 227 Ra 226 Ra 227 Ra 227 Ra 227 Ra 227 Ra 227 Ra 228 Ra 228 Ra 227 Ra 228 Ra 228 Ra 228 Ra 228 Ra 228 Ra 229 Ra 230 Ra 223 Ra 225 Ra 226 Ra 228 Ra 228 Ra 227 Ra 228 Ra 229 Ra 233 Ra 227 Ra 233 Ra 227 Ra 233 Ra 233 Ra 235 Ra 236 Ra 238 Ra 238 Ra 238 Ra 228 Ra 248 Ra 250 Ra 266 Ra 238 Ra 266 Ra 238 Ra 266 Ra 238 Ra 266 Ra 238 Ra 266 Ra	
Ar 39 Ar 42 K 40 Ca 41 Mn 53 Mn 54 Fe 55 Co 60 Ni 59 Ni 63 Zn 65 Se 79 Kr 81 Kr 85 Rb 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 93 Nb 91 Nb 92 Nb 93 Nb 94 Mo 93 Tc 97 Tc 99 -7.09E-06 CC 2 Ra 22 Ra 126 Ra 231 Pa 233 Tc 97 Tc 99 -7.09E-06 CC 2 Ra 28 Ra 26 Ra 28 Ra 27 Ra 29 Th 230 Th 232 Th 230 Th 232 Th 232 Th 233 Tc 97 Tc 99 -7.09E-06 CC 2 -8.3E-04 CC 2 U 233 U 233 U 233 U 234 -8.3E-06 CC -8.3E-06 CC -3.33E-07	
Ar 42 K 40 Ca 41 Mn 53 Mn 54 Fe 55 Co 60 Ni 59 Ni 63 Zn 65 Se 79 Kr 81 Kr 85 Rb 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 92 Nb 93 Nb 94 Mo 93 Tc 97 Tc 99 Ru 106 Pd 107 Ag 108m Hf 178n Hf 182 Pt 193 Hf 182 Pt 193 Hf 178n Hf 182 Hf 178n Hf 182 Hf 182 Hf 182 Hf 182 Pt 193 Hf 182 Pt 193 Th 205 Pb 210 Ra 223 Ra 225 Ra 226 Ra 228 Ra 226 Ra 228 Ra 227 Tr 92 Th 228 Th 228 Th 229 Th 230 Th 232 Th 24 Pa 231 Pa 233 Tc 97 Tc 99 -7.09E-06 CC 2 -8.3E-04 CC 2 U 232 U 233 U 234 -8.3E-06 CC -8.3E-06 Ag 328 Ag 227 Tc 99 Ar .09E-06 CC 2 -8.3E-06 Ag 328 Ag 227 Ag 24 Ag 25 Ag 26 Ag 27 Ag 28 Ag 27 Ag 28 Ag 28 Ag 29 Ag	
K 40 Ca 41 Mn 53 Mn 54 Fe 55 Co 60 Ni 59 Ni 63 Zn 65 Se 79 Kr 81 Kr 85 Ra 223 Ra 225 Rb 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 93 Nb 91 Nb 92 Nb 93 Nb 93 Nb 94 Mo 93 Tc 97 Tc 99 Ra 106 Pd 107 Ag 108m Hf 182 Pt 193 Hf 182 Pt 193 Rh 182 Rh 182 Rh 182 Rh 182 Rh 182 Rh 182 Rh 183 Rh 283 Rh 283 Rh 283 Rh 284 Rh 284 Rh 284 Rh 284 Rh 284 Rh 294 Rh 295 Rh 295 Rh 295 Rh 296 Rh 198 Rh 296	
Ca 41 Mn 53 Mn 54 Fe 55 Co 60 Ni 59 Ni 63 Zn 65 Se 79 Kr 81 Kr 85 Rb 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 93m Nb 92 Nb 93m Nb 94 Mo 93 Tc 97 Tc 97 Tc 97 Tc 99 -7.09E-06 CC 2 Ra 226 Ra 198 Ra 236 Ra 236 Ra 227 Ra 237 Ra 226 Ra 228 Rb 87 Ra 226 Ra 228 Rb 87 Ra 226 Ra 228 Rb 87 Ra 226 Rb 87 Ra 228 Rb 87 Ra 226 Ra 228 Rb 88 Ra 226 Rb 88 Ra 226 Ra 228 Rb 88 Ra 226 Rb 8	
Mn 53 Mn 54 Fe 55 Co 60 Ni 59 Ni 63 Zn 65 Se 79 Kr 81 Kr 85 Ra 228 Kr 85 Rb 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 93m Nb 94 Mo 93 Tc 97 Tc 97 Ra 231 Tc 97 Ra 231 Tc 97 Ra 233 Tc 99 -7.09E-06 CC 2 -8.3E-04 CC 2 U 233 U 234 -8.3E-06 CC -8.3E-06 A C C -3.33E-07 CC -3.33E-07 CC -3.33E-07	
Mn 54 Fe 55 Co 60 Ni 59 Ni 63 Zn 65 Se 79 Kr 81 Kr 85 Ra 226 Rb 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 93 Nb 92 Nb 93 Nb 94 Mo 93 Tc 97 Tc 97 Tc 97 Tc 97 Tc 97 Tc 97 Ra 106 Pd 107 Ag 108m Pb 205 Pb 210 Bi 208 Bi 210m Po 210 Ra 223 Ra 226 Ra 228 Ra 226 Ra 228 Ra 227 Th 227 Th 227 Th 228 Th 229 Th 230 Th 230 Th 230 Th 230 Th 231 Pa 233 Tc 97 Tc 99 -7.09E-06 CC 2 -8.3E-04 CC 2 U 232 -2.6E-08 CC 2 -8.3E-06 Ag 108m	
Fe 55 Co 60 Ni 59 Ni 63 Zn 65 Se 79 Kr 81 Kr 85 Rb 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 93 Nb 92 Nb 93 Tc 97 Tc 97 Tc 99 -7.09E-06 CC 2 -8.3E-04 CC 2 Re 210 Bi 208 Bi 210m Po 210 Bi 208 Bi 210m Bi 208 Bi 208 Bi 210m Bi 208 Bi 2	
Bi 208 Bi 210m Po 210 Ra 223 Ra 225 Ra 225 Ra 226 Ra 228 Ra 227 Ra 227 Ra 227 Ra 228 Ra 227 Ra 228 Ra 227 Ra 228 Ra 227 Ra 228	
Ni 59 Ni 63 Zn 65 Se 79 Kr 81 Kr 85 Rb 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 93 Nb 93 Nb 94 Mo 93 Tc 97 Tc 99 Ro 77.09E-06 CC 2 Re 3E-04 CC 2 Re 3E-04 CC 2 Re 3E-04 CC 2 Re 3E-06 Re 223 Re 225 Re 226 Re 228 Re 226 Re 228 Re 227 Th 227 Th 227 Th 228 Th 229 Th 230 Th 230 Th 230 Th 230 Th 232 Th 234 Pa 231 Pa 233 Tc 97 Tc 99 Re 106 Pd 107 Ag 108m Re 3E-06 CC 2 Re 8.3E-06 Re 323 Re 325 Re 3226 Re 3228 Re 32	
Zn 65 Ra 223 Ra 225 Se 79 Rr 81 Ra 225 Kr 81 Ra 226 Ra 228 Kr 85 Ra 228 Ac 227 Sr 90 Th 227 Th 228 Zr 93 Th 229 Th 230 Nb 91 Th 230 Th 232 Nb 93m Th 234 Pa 231 Nb 94 Pa 231 Pa 233 Tc 97 Pa 233 Pa 233 Tc 99 ~7.09E-06 CC 2 ~8.3E-04 CC 2 U 232 ~2.6E-08 C C 2 ~2.6E-08 Ru 106 Pd 107 U 234 ~8.3E-06 C C ~3.33E-07 C C ~3.33E-07	
Se 79 Kr 81 Ra 225 Ra 226 Ra 226 Ra 228 Ra 28 Ra 28 Ra 228 Ra 228	
Ra 226 Ra 228 Ra 227 Ra 227 Ra 227 Ra 227 Ra 228 R	
Kr 85 Rb 87 Rb 87 Ac 227 Sr 90 Th 227 Zr 93 Th 228 Nb 91 Th 229 Nb 92 Th 230 Nb 93m Th 232 Nb 94 Th 234 Mo 93 Pa 231 Tc 97 Pa 233 Tc 99 ~7.09E-06 CC 2 Ru 106 U 233 Pd 107 Pa 234 Ag 108m W 234 -2.6E-08 -2.6E-08 -2.6E-08 -2.6E-08 -2.33E-07 -2.6E-08 -3.33E-07 -3.	
Rb 87 Sr 90 Zr 93 Nb 91 Nb 92 Nb 93 Nb 94 Mo 93 Tc 97 Tc 99 Rv 106 Pd 107 Ag 108m Ac 227 Th 227 Th 228 Th 229 Th 230 Th 230 Th 232 Th 234 Pa 231 Pa 233 Tc 97 Tc 99 -7.09E-06 CC 2 -8.3E-04 CC 2 U 232 V 234 V 235 V 236E-08 CC 2 -8.3E-06 CC -8.3E-06 CC -8.3E-06 CC -3.33E-07 CC -3.33E-07	
Sr 90 Zr 93 Th 227 Th 228 Th 228 Th 229 Th 229 Th 230 Th 230 Th 230 Th 232 Th 232 Th 234 Th 231 Th 233 Tr 297 Th 233 Tr 299 ~7.09E-06 CC 2 ~8.3E-04 CC 2 U 232 ~2.6E-08 CC 2 ~2.6E-08 Ru 106 Pd 107 U 234 ~8.3E-06 CC ~8.3E-06 CC ~8.3E-06 CC ~3.33E-07 C	
Zr 93 Nb 91 Nb 91 Th 228 Nb 92 Th 230 Nb 93m Th 232 Nb 94 Th 234 Mo 93 Pa 231 Tc 97 Pa 233 Tc 99 ~7.09E-06 CC 2 Ru 106 Pd 107 Ag 108m Ag 108m Th 228 Th 229 Th 230 Th 232 Th 234 Pa 231 Pa 233 U 232 ~2.6E-08 CC 2 ~2.6E-08 U 233 U 234 ~8.3E-06 CC ~8.3E-06 W 234 ~8.3E-06 CC ~3.33E-07 CC ~3.33E-07	
Nb 91 Nb 92 Nb 93m Nb 94 Mo 93 Tc 97 Tc 99 Ru 106 Pd 107 Ag 108m Nb 91 Nb 92 Th 229 Th 230 Th 232 Th 234 Pa 231 Pa 233 Tc 27 -8.3E-04 CC 2 -8.3E-04 CC 2 U 232 U 233 U 234 -8.3E-06 CC -8.3E-06 CC -8.3E-06 V 235 -3.33E-07 CC -3.33E-07	
Nb 92 Nb 93m Nb 94 Mo 93 Tc 97 Tc 99	
Nb 93m Nb 94 Mo 93 Tc 97 Tc 99	
Nb 94 Mo 93 Tc 97 Tc 99	
Mo 93 Tc 97 Tc 99 Ru 106 Pd 107 Ag 108m Pa 231 Pa 233 U 232 V 2.6E-08 C C 2 -2.6E-08 U 233 U 234 V 234 V 235 V 235 V 235 V 236-07 C C -8.3E-06 V 235 V 236 V 237 V 237 V 238	
Tc 97 Tc 99	
Tc 99	
Ru 106 U 233 Pd 107 U 234 ~8.3E-06 C C ~8.3E-06 Ag 108m U 235 ~3.33E-07 C C ~3.33E-07	CC 2
Pd 107 Ag 108m U 234 -8.3E-06 C C -8.3E-06 U 235 -3.33E-07 C C -3.33E-07	00 2
Ag 108m U 235 ~3.33E-07 C C ~3.33E-07	CC 2
	CC 2
Cd 109 U 238 ~3.09E-06 C C ~3.09E-06	CC 2
	CC 2
Sn 119m Pu 236	
Sn 121m Pu 238	
Sn 123 Pu 239	
Sn 126 Pu 240	
Sb 125 Pu 241	
Sb 126 Pu 242	
Te 125m Am 241	
Te 127m Am 242m	
1 129	
Cs 135	
Ba 133 Cm 245	
La 137 Cm 246	
La 138 Cm 248	
Ce 144 Cf 249	
Pm 145 Cf 250	
Pm 147 Cf 251	
Sm 147 Cf 252	
Sm 151 Other a	
Eu 152 Other b/g	
Eu 155 Total b/g 7.18E-06 8.30E-04	CC 2 CC 2

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 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