

Site (Data) : State Labs

Stock of waste as at December 2005

Country: IRELAND

Reporting Year: 2005

Site Name: State Labs

Full Name:

Inventory Reporting Date: December 2005

Waste Matrix Used: IAEA Def.

Spent Sources <=30 years in Storage

Nuclide	Number of Sources/Total Activity of Sources (GBq)			c o n d	u n c o n d	c a t	Total Activity for all Groups (GBq)	Decay Date
	Group I less than or equal 4GBq	Group II more than 4GBq but less than or equal 4E+4GBq	Group III more than 4E+4GBq					
	num/activity	num/activity	num/activity					
Ba-133	1			Y	N	Y	3.300E-001	
	3.300E-001							
Cd-109	1			Y	N	Y	1.850E-001	
	1.850E-001							
Co-60	130			Y	Y	Y	2.388E+001	
	2.388E+001							
Cs-137	9			Y	N	Y	1.075E+001	
	1.075E+001							
Cs-137	5			Y	N	Y	1.060E-002	
	1.060E-002							
Fe-55	1			Y	N	Y	1.665E+000	
	1.665E+000							
H-3		1		Y	N	Y	6.475E+000	
		6.475E+000						
Sr-90	2	1		Y	N	Y	7.585E+000	
	1.850E-001	7.400E+000						
Tl-204	1			Y	N	Y	7.000E-003	
	7.000E-003							

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Spent Sources > 30 years in Storage

Nuclide	Number of Sources/Total Activity of Sources (GBq)		c o n d	u n c o n d	c a t	Total Activity for all Groups (GBq)	Decay Date
	Group I less than or equal 2 GBq	Group II more than 2GBq					
	num/activity	num/activity					
Am-241	7	2	Y	N	Y	3.034E+001	
	8.140E+000	2.220E+001					
C-14	75		Y	N	Y	1.390E-001	
	1.390E-001						
Cl-36	1		Y	N	Y	6.000E-005	
	6.000E-005						
Ni-63	7		Y	N	Y	2.970E+000	
	2.970E+000						
Ra-226	890		Y	Y	Y	6.700E-002	
	6.700E-002						
U-238	3		Y	N	Y	5.550E-001	
	5.550E-001						

Comment **# 7191: Neutron generators**

Am-241 sources of < 4GBq, include 5 Am-241/Be sources of total activity 8.14GBq