

Site (Data) : ININ-CN

Stock of waste as at December 2005

Country: MEXICO

Reporting Year: 2005

Site Name: ININ-CN

Full Name: Instituto Nacional de Investigaciones Nucleares-Centro Nuclear (Nuclear Research National Institute - Nuclear Centre)

Inventory Reporting Date: December 2005 Waste Matrix Used: NOM-4-NUCL

Processing - Treatment method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Carbon Adsorption	N	N	Same	N
Chemical Precipitation	N	N	Same	N
Compaction	N	N	Same	N
Decontamination	N	N	Same	N
Filtration	N	N	Same	N

Processing - Conditioning method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Cementation	N	N	Same	N

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	10			Y	N	N	2.808E-005	
	2.808E-005							
Bi-210	1			Y	N	N	1.500E-007	
	1.500E-007							
Cd-109	8			N	Y	N	1.530E-001	
	1.530E-001							
Cf-252	6			N	Y	N	5.930E+000	
	5.930E+000							
Cf-252	15			Y	N	N	7.030E+000	
	7.030E+000							

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Cm-244	16			Y	N	N	2.204E+001	
	2.204E+001							
Co-57	12			N	Y	N	1.150E+000	
	1.150E+000							
Co-60		59		Y	N	N	3.435E+004	
		3.435E+004						
Cs-137	257			Y	Y	N	7.380E+002	
	7.380E+002							
Fe-55	11			N	Y	N	1.340E+000	
	1.340E+000							
Ir-192		36		Y	N	N	3.877E+003	
		3.877E+003						
Kr-85		26		Y	N	N	3.368E+004	
		3.368E+004						
Na-22	2			Y	N	N	2.000E-004	
	2.000E-004							
Pb-210	2			N	Y	N	2.700E-004	
	2.700E-004							
Pm-147	1			Y	N	N	4.400E-003	
	4.400E-003							
Po-210	19			Y	N	N	9.650E-005	
	9.650E-005							
Sr-90		37		Y	N	N	7.790E+003	
		7.790E+003						
Th-228	1			Y	N	N	7.700E-005	
	7.700E-005							

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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		72	Y	N	N	7.985E+003	
		7.985E+003					
Am-241		7	Y	N	N	2.200E+002	
		2.200E+002					
Bi-207	1		N	Y	N	1.500E-007	
	1.500E-007						
C-14	7		N	Y	N	1.500E-005	
	1.500E-005						
Ni-63	2		N	Y	N	5.810E-002	
	5.810E-002						
Pu-238	6		N	Y	N	1.010E+001	
	1.010E+001						
Pu-239	2		N	Y	N	5.100E-006	
	5.100E-006						
Ra-226	17		N	Y	N	2.780E+000	
	2.780E+000						
Th-230	8		Y	N	N	4.000E-007	
	4.000E-007						
Th-232	3		Y	N	N	1.800E-004	
	1.800E-004						
U-238	1		N	Y	N	4.200E-006	
	4.200E-006						