

Site (Data) : ININ-CN

Stock of waste as at December 2008

Country: MEXICO

Reporting Year: 2008

Site Name: ININ-CN

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

Inventory Reporting Date: December 2008 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
Oxidation	Y	N		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	12			Y	N	N	1.000E-004	
	1.000E-004							
Bi-210	1			Y	N	N	1.500E-007	
	1.500E-007							
Cd-109	26			N	Y	N	8.600E-001	
	8.600E-001							
Cf-252	10			N	Y	N	5.900E+000	
	5.900E+000							

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Cf-252	19			Y	N	N	7.000E+000	
	7.000E+000							
Cm-244	19			Y	N	N	2.700E+001	
	2.700E+001							
Co-57	17			N	Y	N	1.200E+000	
	1.200E+000							
Co-60		94		Y	N	N	1.500E+005	
		1.500E+005						
Cs-137	582			Y	Y	N	1.300E+003	
	1.300E+003							
Fe-55	28			N	Y	N	6.400E+000	
	6.400E+000							
Ge-68	12			Y	N	N	1.600E-001	
	1.600E-001							
Ir-192		45		Y	N	N	5.600E+003	
		5.600E+003						
Kr-85	47			Y	N	N	7.200E+001	
	7.200E+001							
Na-22	16			Y	N	N	2.200E-004	
	2.200E-004							
Pb-210	2			N	Y	N	2.700E-004	
	2.700E-004							
Pm-147	27			Y	N	N	3.000E+001	
	3.000E+001							
Po-210	28			Y	N	N	8.700E-004	
	8.700E-004							
Sr-90		128		Y	N	N	7.800E+003	
		7.800E+003						
Th-228	1			Y	N	N	7.700E-005	
	7.700E-005							

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Spent Sources > 30 years in Storage

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	Group I less than or equal 2 GBq	Group II more than 2GBq					
	num/activity	num/activity					
Am-241		142	Y	N	N	8.300E+003	
		8.300E+003					
Am-241		13	Y	N	N	1.300E+003	
		1.300E+003					
Bi-207	1		N	Y	N	1.500E-007	
	1.500E-007						
C-14	16		N	Y	N	1.500E-005	
	1.500E-005						
Ni-63	21		N	Y	N	8.300E+000	
	8.300E+000						
Pu-238	6		N	Y	N	1.000E+001	
	1.000E+001						
Pu-239	2		N	Y	N	5.100E-006	
	5.100E-006						
Ra-226	36		N	Y	N	2.200E+001	
	2.200E+001						
Th-230	9		Y	N	N	3.700E-004	
	3.700E-004						
Th-232	15		Y	N	N	1.800E-004	
	1.800E-004						
U-238	1		N	Y	N	4.200E-006	
	4.200E-006						