

## Site (Data) : ININ-CN

Stock of waste as at December 2009

Country: MEXICO

Reporting Year: 2009

**Site Name:** ININ-CN

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

Inventory Reporting Date: December 2009 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	Y	0.000E+000	
	0.000E+000							
Bi-210	1			Y	N	Y	0.000E+000	
	0.000E+000							
Cd-109	33			N	Y	Y	9.000E-001	
	9.000E-001							
Cf-252	12			N	Y	Y	5.900E+000	
	5.900E+000							

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Cf-252	19			Y	N	Y	7.000E+000	
	7.000E+000							
Cm-244	20			Y	N	Y	2.910E+001	
	2.910E+001							
Co-57	17			N	Y	Y	1.200E+000	
	1.200E+000							
Co-60	2	98		Y	N	Y	1.501E+005	
	0.000E+000	1.501E+005						
Cs-137	582	27		Y	Y	Y	4.260E+004	
	1.300E+003	4.130E+004						
Fe-55	33			N	Y	Y	6.900E+000	
	6.900E+000							
Ge-68	16			Y	N	Y	2.000E-001	
	2.000E-001							
Ir-192		47		Y	N	Y	6.470E+003	
		6.470E+003						
Kr-85	50			Y	N	Y	8.800E+001	
	8.800E+001							
Na-22	16			Y	N	Y	0.000E+000	
	0.000E+000							
Pb-210	2			N	Y	Y	0.000E+000	
	0.000E+000							
Pm-147	28			Y	N	Y	3.660E+001	
	3.660E+001							
Po-210	32			Y	N	Y	0.000E+000	
	0.000E+000							
Sr-90	1	128		Y	N	Y	7.801E+003	
	1.000E+000	7.800E+003						
Th-228	1			Y	N	Y	0.000E+000	
	0.000E+000							

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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		165	Y	N	Y	8.419E+003	
		8.419E+003					
Am-241		38	Y	N	Y	1.923E+003	
		1.923E+003					
Bi-207	1		N	Y	Y	0.000E+000	
	0.000E+000						
C-14	16		N	Y	Y	0.000E+000	
	0.000E+000						
Ni-63	22		N	Y	Y	8.900E+000	
	8.900E+000						
Pu-238	6		N	Y	Y	1.000E+001	
	1.000E+001						
Pu-239	2		N	Y	Y	0.000E+000	
	0.000E+000						
Ra-226	36	1	N	Y	Y	2.770E+001	
	2.200E+001	5.700E+000					
Th-230	9		Y	N	Y	0.000E+000	
	0.000E+000						
Th-232	16		Y	N	Y	0.000E+000	
	0.000E+000						
U-238	1		N	Y	Y	0.000E+000	
	0.000E+000						