

## Site (Data) : ININ-CADER

Stock of waste as at December 2005

Country: MEXICO

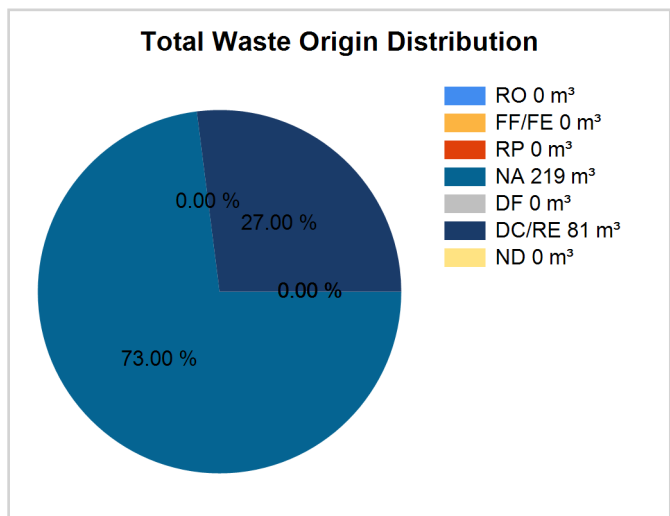
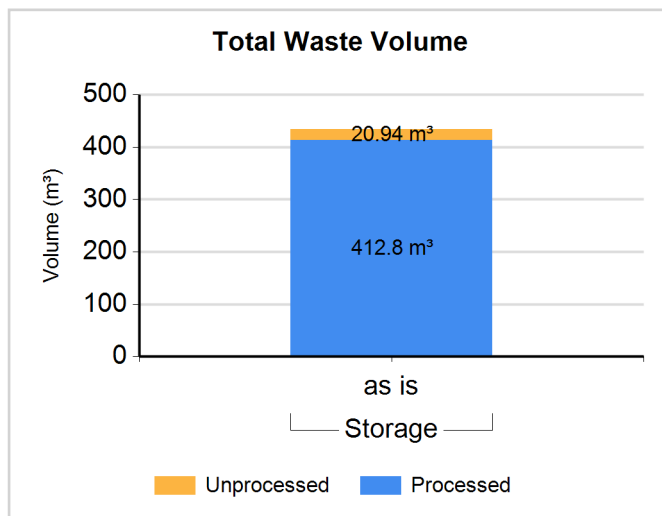
Reporting Year: 2005

**Site Name:** ININ-CADER

**Full Name:** Instituto Nacional de Investigaciones Nucleares, Centro de Almacenamiento de Desechos Radiactivos (Radioactive Waste Storage Center)

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

Est=distribution is an estimate, Proc.=Is the waste processed (Yes/No)? RO=Reactor Operations, FF/FE=Fuel Fabrication/Fuel Enrichment, RP=Reprocessing, NA=Nuclear Applications,DF=Defence, DC/RE=Decommissioning/Remediation, ND=Not Determined



Note: where volume "as dispo" is provided, volume "as is" is used in the graph instead.

**Waste Class: NB A**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
NB A	Storage / CADER	Y	N	37.400	37.400	0.00	0.00	0.00	100.00	0.00	0.00	0.00

**Waste Class: NB B**

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
NB B	Storage / CADER	N	N	20.940	20.940	0.00	0.00	0.00	19.00	0.00	81.00	0.00
NB B	Storage / CADER	Y	N	375.400	375.400	0.00	0.00	0.00	100.00	0.00	0.00	0.00

**Comment # 9801: Increased capacity of CADER**

In 2004 no drums were received in the CADER, however, the storage capacity of radioactive waste increased slightly in 2004, this is due to the fact that some segregation activities were carried out as a consequence of repackaging radioactive waste from deteriorated drums to new ones, (clearance criteria were applied), probably this segregation activity will span one or two more years.more.

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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 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					
Co-60	152	578	1	Y	Y	N	5.450E+005	
	4.000E+000	4.720E+005	7.300E+004					
Cs-137	136	873		Y	Y	N	1.600E+005	
	2.100E+001	1.600E+005						
Kr-85	55			Y	N	N	1.600E+002	
	1.600E+002							
Sr-90	69			Y	N	N	4.300E+001	
	4.300E+001							

**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	1205		Y	N	N	1.000E+003	
	1.000E+003						
Am-241	12	123	Y	N	N	1.601E+004	
	7.400E+000	1.600E+004					
Ra-226	1132		Y	Y	N	8.200E+001	
	8.200E+001						