

Site (Data) : CEN LA

Stock of waste as at December 2008

Country: CHILE

Reporting Year: 2008

Site Name: CEN LA

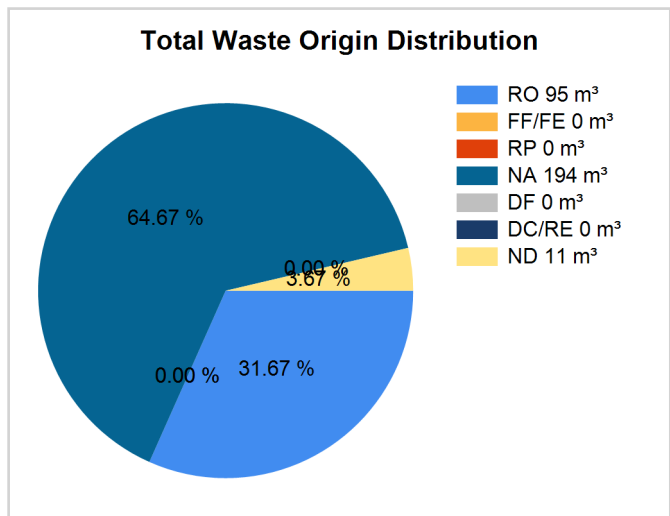
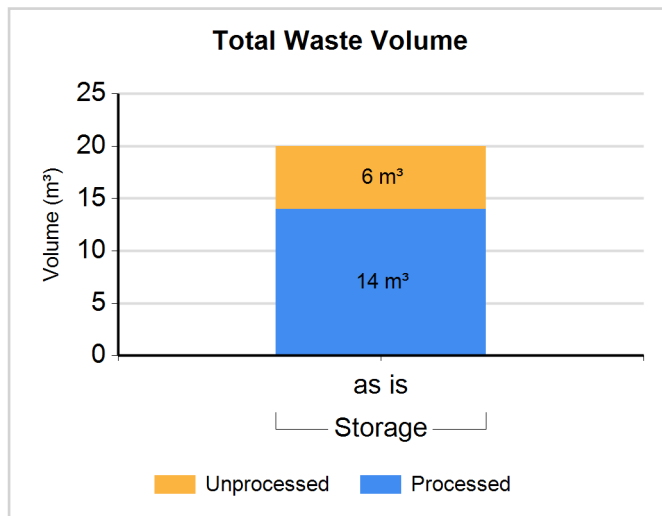
Full Name: Centro de Estudios Nucleares Lo Aguirre

Inventory Reporting Date: December 2008

Waste Matrix Used: CHILECLASS

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: CATEGORY 1

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
CATEGORY 1	Storage / IADRA	Y	N	8.000	8.000	0.00	0.00	0.00	89.00	0.00	0.00	11.00

Waste Class: CATEGORY 2

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
CATEGORY 2	Storage / IADRA	N	N	6.000	6.000	95.00	0.00	0.00	5.00	0.00	0.00	0.00
CATEGORY 2	Storage / IADRA	Y	N	6.000	6.000	0.00	0.00	0.00	100.00	0.00	0.00	0.00

Processing - Treatment method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Chemical Precipitation	Y	N		N
Compaction	N	N	Decrease	N
Shredding	N	N	Same	N
Size Reduction	N	N	Increase	N

Site (Data) : CEN LA

Stock of waste as at December 2008

Country: CHILE

Reporting Year: 2008

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
Containerization	N	N	Same	N
Encapsulation	N	N	Decrease	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					
Cd-109	1			N	Y	N	4.000E-004	2000.12
	4.000E-004							
Cm-244		1		N	Y	N	8.800E+000	2004.12
		8.800E+000						
Co-60		9		N	Y	N	1.300E+005	2003.12
		1.300E+005						
Co-60	8			Y	N	N	4.100E+000	2006.12
	4.100E+000							
Co-60	18	1		Y	N	N	9.100E+000	2007.12
	1.700E+000	7.400E+000						
Co-60			2	Y	N	N	9.100E+012	2008.12
			9.100E+012					
Co-60		3		Y	N	N	5.500E+004	2004.12
		5.500E+004						
Cs-137	6			Y	N	N	6.800E+000	2004.12
	6.800E+000							
Cs-137		4		Y	N	N	4.400E+001	2004.12
		4.400E+001						
Cs-137	38			Y	N	N	5.900E+000	2005.12
	5.900E+000							

Site (Data) : CEN LA

Stock of waste as at December 2008

Country: CHILE

Reporting Year: 2008

Cs-137	159	14		Y	N	N	1.920E+002	2003.12
	8.200E+001	1.100E+002						
Cs-137	14	13		N	Y	N	4.160E+002	2003.12
	3.600E+001	3.800E+002						
Cs-137	34	7		Y	N	N	1.860E+002	2006.12
	4.600E+001	1.400E+002						
Cs-137	44			Y	N	N	6.200E+001	2007.12
	6.200E+001							
Fe-55	2			N	Y	N	5.000E-001	2003.12
	5.000E-001							
Kr-85	1			N	Y	N	5.500E-004	2005.12
	5.500E-004							
Pm-147	1			N	Y	N	1.500E+000	2004.12
	1.500E+000							
Sr-90	10			N	Y	N	4.000E+000	2000.12
	4.000E+000							

Site (Data) : CEN LA

Stock of waste as at December 2008

Country: CHILE

Reporting Year: 2008

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	25		Y	N	N	3.000E+001	2000.12
	3.000E+001						
Am-241	1		N	Y	N	1.850E+000	2004.12
	1.850E+000						
Am-241		1	N	Y	N	3.700E+000	2004.12
		3.700E+000					
Am-241	1		N	Y	N	1.850E+000	2004.12
	1.850E+000						
Am-241	2		N	Y	N	3.600E+000	2005.12
	3.600E+000						
Pu-238	1		N	Y	N	1.100E+000	2003.12
	1.100E+000						
Pu-238		1	N	Y	N	3.700E+000	2004.12
		3.700E+000					
Pu-238	1		N	Y	N	8.500E-001	2005.12
	8.500E-001						
Ra-226	2		N	Y	N	5.550E-004	2005.12
	5.550E-004						
Ra-226	319		Y	N	N	7.800E+001	2000.12
	7.800E+001						
Ra-226	253		Y	N	N	2.000E+001	2005.12
	2.000E+001						
Ra-226	2		N	Y	N	3.400E-001	2003.12
	3.400E-001						