

Site (Data) : LvivSE

Stock of waste as at December 2008

Country: UKRAINE

Reporting Year: 2008

Site Name: LvivSE

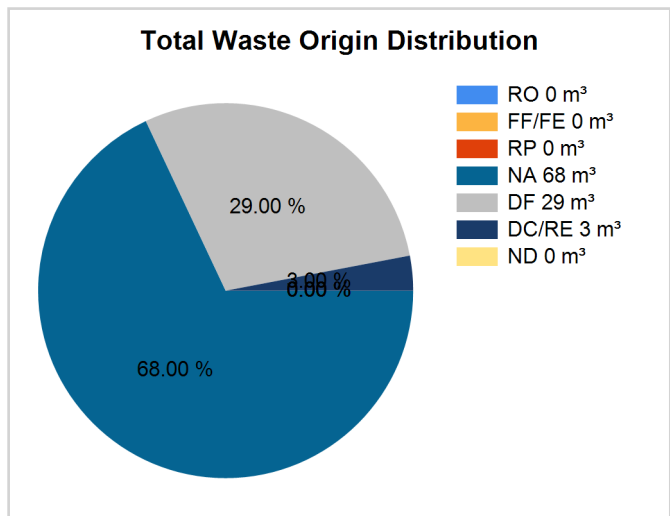
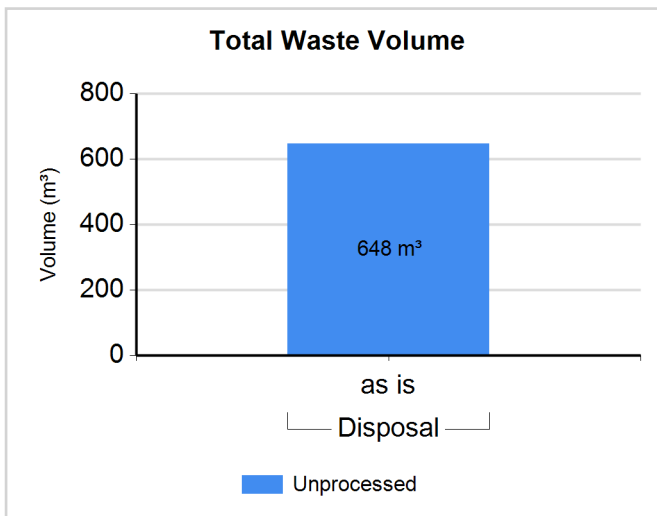
Full Name: Lviv State Interregional Special Enterprise

Inventory Reporting Date: December 2008

Waste Matrix Used: Ukraine

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: Mid-Active

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
Mid-Active	Disposal	N	N	648.000	648.000	0.00	0.00	0.00	68.00	29.00	3.00	0.00

Comment # 6799: The additional characteristics of the waste

Unprocessed: solid (dispersible), solid (non-dispersible)

Spent Sources <=30 years in Disposition

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	Y	1.100E-001	
	1.100E-001							
Ce-139	3			N	Y	Y	5.500E-009	
	5.500E-009							

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Co-57	3			N	Y	Y	3.500E-005	
	3.500E-005							
Co-57	3			N	Y	Y	1.400E-005	
	1.400E-005							
Co-57	3			N	Y	Y	1.200E-008	
	1.200E-008							
Co-60	10	1		N	Y	Y	8.000E+001	
	1.900E+001	6.100E+001						
Co-60	2			N	Y	Y	4.200E-006	
	4.200E-006							
Co-60	2			N	Y	Y	5.500E-002	
	5.500E-002							
Co-60	243			N	Y	Y	7.300E+001	
	7.300E+001							
Co-60	62			N	Y	N	7.000E+000	
	7.000E+000							
Co-60	2			N	Y	Y	5.500E-002	
	5.500E-002							
Co-60	110	4		N	Y	Y	9.700E+001	
	2.400E+001	7.300E+001						
Co-60	9			N	Y	Y	1.200E-004	
	1.200E-004							
Co-60	3543			N	Y	N	3.300E+003	
	3.300E+003							
Cs-137		1854		N	Y	N	7.400E+004	
		7.400E+004						
Cs-137	81	279		N	Y	Y	1.303E+004	
	2.700E+001	1.300E+004						
Cs-137	51	14		N	Y	Y	5.750E+002	
	5.500E+001	5.200E+002						

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Cs-137	11	229		N	Y	Y	1.000E+004	
	5.200E-001	1.000E+004						
Cs-137	61	57		N	Y	Y	4.568E+003	
	6.800E+001	4.500E+003						
Cs-137	5			N	Y	Y	2.800E-004	
	2.800E-004							
Cs-137	43	811		N	Y	Y	3.511E+003	
	1.100E+001	3.500E+003						
Cs-137		18		N	Y	Y	1.200E+003	
		1.200E+003						
Eu-152	10			N	Y	Y	2.600E-006	
	2.600E-006							
Fe-55	1			N	Y	Y	1.800E+000	
	1.800E+000							
Fe-55	1			N	Y	Y	1.900E-003	
	1.900E-003							
Fe-55	1			N	Y	Y	1.500E-003	
	1.500E-003							
H-3		11		N	Y	Y	1.300E+003	
		1.300E+003						
H-3	2			N	Y	Y	3.800E+000	
	3.800E+000							
H-3	6549	51		N	Y	Y	2.901E+004	
	8.800E+000	2.900E+004						
H-3	6551			N	Y	Y	5.900E+000	
	5.900E+000							
H-3		69		N	Y	N	8.300E+004	
		8.300E+004						
Hg-203	23			N	Y	Y	4.100E-008	
	4.100E-008							

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Ir-192	5			N	Y	Y	1.800E-001	
	1.800E-001							
Ir-192	412			N	Y	N	1.900E+002	
	1.900E+002							
Ir-192	10	9		N	Y	Y	4.413E+002	
	1.300E+000	4.400E+002						
Ir-192		9		N	Y	Y	8.500E+001	
		8.500E+001						
Ir-192	51			N	Y	Y	1.800E+001	
	1.800E+001							
Ir-192		8		N	Y	Y	3.200E+002	
		3.200E+002						
Ir-192	7			N	Y	Y	1.700E+001	
	1.700E+001							
Kr-85	17			N	Y	Y	6.000E+000	
	6.000E+000							
Kr-85	9			N	Y	Y	2.400E+000	
	2.400E+000							
Kr-85	8			N	Y	Y	1.000E+000	
	1.000E+000							
Kr-85	9			N	Y	Y	6.000E+000	
	6.000E+000							
Mn-54	4			N	Y	Y	7.700E-008	
	7.700E-008							
Na-22	1			N	Y	Y	1.700E-006	
	1.700E-006							
Na-22	5			N	Y	Y	4.400E-003	
	4.400E-003							
Na-22	1			N	Y	Y	1.300E-006	
	1.300E-006							

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Pm-147	137			N	Y	Y	1.300E-004	
	1.300E-004							
Pm-147	152			N	Y	Y	1.600E-001	
	1.600E-001							
Pm-147	1			N	Y	Y	1.200E+000	
	1.200E+000							
Pm-147	15			N	Y	N	3.500E+000	
	3.500E+000							
Sn-113	3			N	Y	Y	2.400E-009	
	2.400E-009							
Sr-90	4			N	Y	Y	3.200E-005	
	3.200E-005							
Sr-90	4355			N	Y	Y	9.400E+001	
	9.400E+001							
Sr-90	296			N	Y	N	7.700E+002	
	7.700E+002							
Sr-90	67			N	Y	Y	3.500E+000	
	3.500E+000							
Sr-90	4421			N	Y	Y	1.100E+002	
	1.100E+002							
Sr-90	58			N	Y	Y	1.800E+001	
	1.800E+001							
Sr-90	9			N	Y	Y	4.900E-001	
	4.900E-001							
Sr-90	13			N	Y	Y	5.700E-006	
	5.700E-006							
Sr-90	4			N	Y	Y	3.200E-005	
	3.200E-005							
Sr-90	32232			N	Y	Y	1.300E+001	
	1.300E+001							

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Th-228	2			N	Y	Y	7.700E-004	
	7.700E-004							
TI-204	17			N	Y	Y	4.400E-004	
	4.400E-004							
TI-204	17			N	Y	Y	5.300E-004	
	5.300E-004							
Y-88	3			N	Y	Y	1.900E-010	
	1.900E-010							
Zn-65	3			N	Y	Y	2.200E-008	
	2.200E-008							

Spent Sources > 30 years in Disposition

Nuclide	Number of Sources/Total Activity of Sources (GBq)		c	o	n	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	401		N	Y	Y	Y	Y	7.000E+001		
	7.000E+001									
Am-241	153		N	Y	N	N	N	2.200E+001		
	2.200E+001									
Am-241		1	N	Y	N	N	N	2.200E+001		
		2.200E+001								
Cf-251		8	N	Y	N	N	N	8.000E+002		
		8.000E+002								
Pu-238		48	N	Y	Y	Y	Y	3.600E+002		
		3.600E+002								
Pu-238	1		N	Y	Y	Y	Y	1.100E+000		
	1.100E+000									
Pu-239	1041		N	Y	Y	Y	Y	9.800E-001		
	9.800E-001									

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Pu-239	6544		N	Y	Y	8.700E+001	
	8.700E+001						
Pu-239		4	N	Y	Y	5.100E+001	
		5.100E+001					
Pu-239	4		N	Y	Y	1.400E-004	
	1.400E-004						
Pu-239	2		N	Y	Y	3.100E-006	
	3.100E-006						
Ra-226	1		N	Y	N	5.000E-003	
	5.000E-003						
Ra-226		56	N	Y	N	1.300E+002	
		1.300E+002					
Ra-226	2		N	Y	Y	7.700E-004	
	7.700E-004						
Th-232	1		N	Y	Y	2.500E-005	
	2.500E-005						