

Site (Data) : Odessa SE

Stock of waste as at December 2012

Country: UKRAINE

Reporting Year: 2012

Site Name: Odessa SE

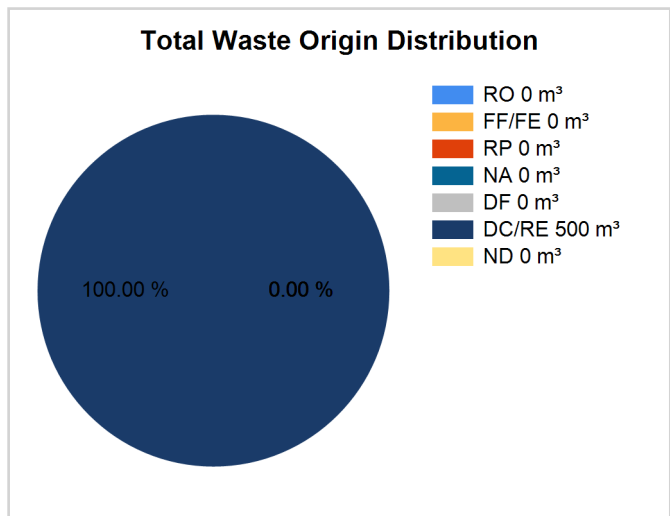
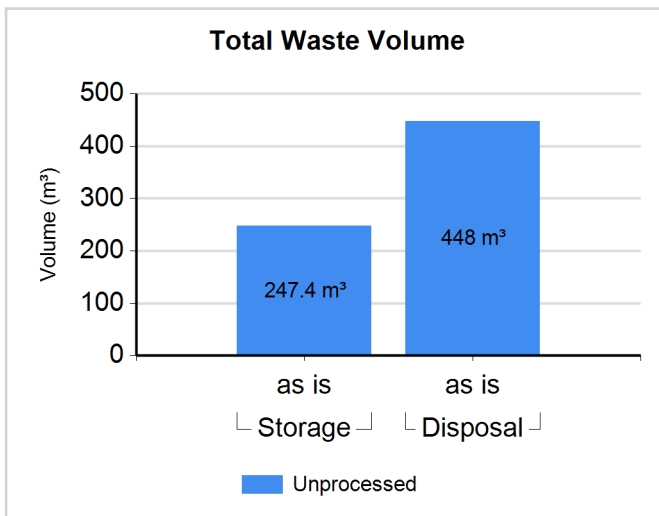
Full Name: Odessa State Interregional Special Enterprise

Inventory Reporting Date: December 2012

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	Storage / LRW	N	N	183.000	183.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
Mid-Active	Storage / Modul 14	N	N	15.400	15.400	0.00	0.00	0.00	0.00	0.00	100.00	0.00
Mid-Active	Disposal / Modul 1	N	N	448.000	448.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Comment # 6813: The additional characteristics of the waste

Unprocessed: liquid (aqueous)

Comment # 26979: 2012 LRW

The volume of LRW has been clarified

Waste Class: High-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 %
High-Active	Storage / Place 1	N	N	1.000	1.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00
High-Active	Storage / Stor 15	N	N	48.000	48.000	0.00	0.00	0.00	0.00	0.00	100.00	0.00

Spent Sources <=30 years in Storage

Number of Sources/Total Activity of Sources (GBq)

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Nuclide	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	c o n d	u n c o n	c a t	Total Activity for all Groups (GBq)	Decay Date
	num/activity	num/activity	num/activity					
Ba-133	3			N	Y	Y	0.000E+000	
	0.000E+000							
Ce-139	2			N	Y	Y	0.000E+000	
	0.000E+000							
Ce-144	3			N	Y	Y	0.000E+000	
	0.000E+000							
Co-57	5			N	Y	Y	0.000E+000	
	0.000E+000							
Co-60	23			N	Y	Y	0.000E+000	
	0.000E+000							
Co-60		4		N	Y	Y	5.000E+000	
		5.000E+000						
Co-60	3			N	Y	Y	0.000E+000	
	0.000E+000							
Cs-137	3			N	Y	Y	0.000E+000	
	0.000E+000							
Cs-137		6		N	Y	Y	6.620E+002	
		6.620E+002						
Cs-137	5			N	Y	Y	0.000E+000	
	0.000E+000							
Cs-137		22		N	Y	Y	2.190E+001	
		2.190E+001						
H-3		2		N	Y	Y	2.300E+001	
		2.300E+001						
H-3	36			N	Y	Y	2.000E-002	
	2.000E-002							

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Hg-203	5			N	Y	Y	0.000E+000	
	0.000E+000							
Ir-192		15		N	Y	Y	1.630E+001	
		1.630E+001						
Mn-54	5			N	Y	Y	0.000E+000	
	0.000E+000							
Na-22	5			N	Y	Y	0.000E+000	
	0.000E+000							
Pm-147	42			N	Y	Y	3.000E-002	
	3.000E-002							
Sn-113	5			N	Y	Y	0.000E+000	
	0.000E+000							
Sr-90	119			N	Y	Y	4.000E-001	
	4.000E-001							
Sr-90	29			N	Y	Y	2.600E-001	
	2.600E-001							
Tl-204	2			N	Y	Y	0.000E+000	
	0.000E+000							
Y-88	4			N	Y	Y	0.000E+000	
	0.000E+000							
Zn-65	5			N	Y	Y	0.000E+000	
	0.000E+000							

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					
Co-60	3			Y	N	Y	0.000E+000	
	0.000E+000							

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Co-60		539		N	Y	Y	9.200E+003	
		9.200E+003						
Cs-137	3			Y	N	Y	0.000E+000	
	0.000E+000							
Cs-137			974	N	Y	Y	1.200E+005	
			1.200E+005					
Cs-137		30		N	Y	Y	7.500E+002	
		7.500E+002						
Cs-137		10		N	Y	Y	3.800E+002	
		3.800E+002						
H-3		9		N	Y	Y	3.100E+004	
		3.100E+004						
H-3	36			Y	N	Y	2.600E-002	
	2.600E-002							
Ir-192		48		N	Y	Y	5.300E+003	
		5.300E+003						
Ir-192		140		N	Y	Y	2.300E+003	
		2.300E+003						
Kr-85		8		N	Y	Y	2.100E+004	
		2.100E+004						
P-32	317			N	Y	Y	2.000E-001	
	2.000E-001							
Pm-147	42			Y	N	Y	3.100E-002	
	3.100E-002							
Pm-147	2			N	Y	Y	0.000E+000	
Po-210		35		N	Y	Y	2.000E+003	
		2.000E+003						
Ru-106	2			N	Y	Y	0.000E+000	

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Sr-90	1			N	Y	Y	0.000E+000	
Sr-90		1659		N	Y	Y	1.100E+002	
		1.100E+002						
Sr-90	29			Y	N	Y	2.600E-001	
	2.600E-001							
TI-204	9			N	Y	Y	3.800E+000	
	3.800E+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	5		N	Y	Y	0.000E+000	
	0.000E+000						
Am-241		317	N	Y	Y	5.850E+001	
		5.850E+001					
K-40	1		N	Y	Y	0.000E+000	
	0.000E+000						
Pu-238	49		N	Y	Y	8.800E-001	
	8.800E-001						
Pu-238	21		N	Y	Y	3.800E-001	
	3.800E-001						
Pu-239		683	N	Y	Y	1.000E+001	
		1.000E+001					
Pu-239	1		N	Y	Y	0.000E+000	
	0.000E+000						
Pu-239	556		N	Y	Y	0.000E+000	
	0.000E+000						
Ra-226	3		N	Y	Y	0.000E+000	
	0.000E+000						
U-233	1		N	Y	Y	0.000E+000	
	0.000E+000						
U-238	3		N	Y	Y	0.000E+000	
	0.000E+000						

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Spent Sources > 30 years in Disposition

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	Group I less than or equal 2 GBq	Group II more than 2GBq					
	num/activity	num/activity					
Am-241	43		N	Y	Y	0.000E+000	
Am-241		317	Y	N	Y	5.850E+001	
		5.850E+001					
Cs-135		1004	N	Y	Y	1.180E+005	
		1.180E+005					
Ni-63	1		N	Y	Y	1.800E+000	
	1.800E+000						
Pu-238		61	N	Y	Y	2.240E+003	
		2.240E+003					
Pu-238		61	N	Y	Y	2.530E+003	
		2.530E+003					
Pu-238		10	N	Y	Y	2.920E+002	
		2.920E+002					
Pu-238	21		Y	N	Y	3.800E-001	
	3.800E-001						
Pu-239	1		Y	N	Y	0.000E+000	
	0.000E+000						
Pu-239		3361	N	Y	Y	1.600E+003	
		1.600E+003					
Ra-226		80	N	Y	Y	3.370E+002	
		3.370E+002					
U-238	1		N	Y	Y	1.000E-001	
	1.000E-001						

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Multiple Nuclides SRS in Storage

No data available.