

## Site (Data) : IRB

Stock of waste as at December 2008

Country: CROATIA

Reporting Year: 2008

Site Name: IRB

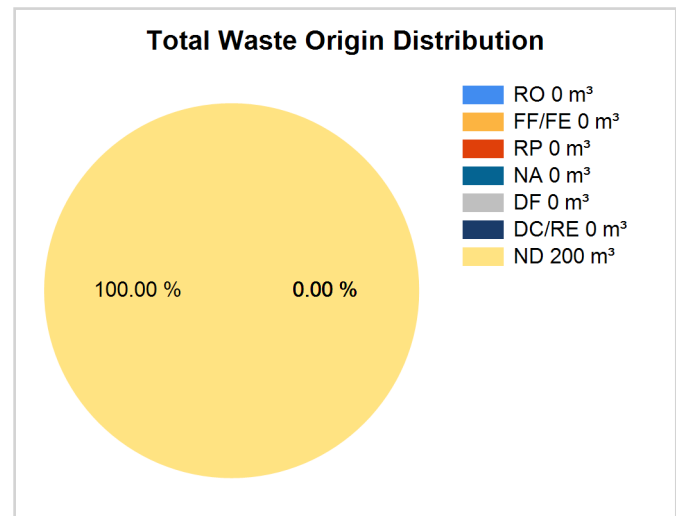
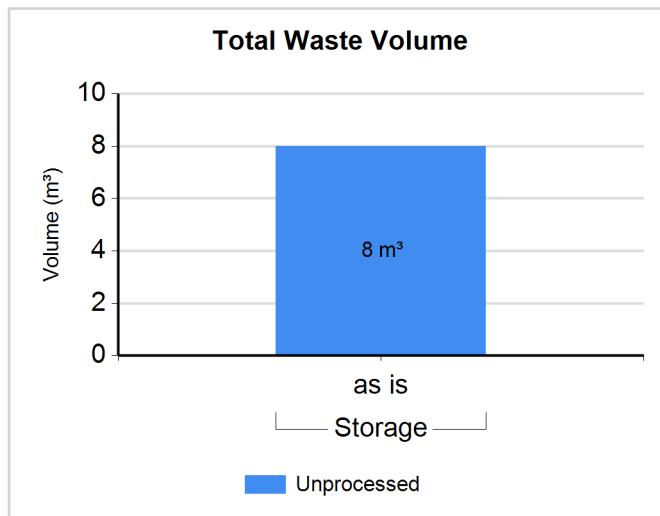
Full Name: Institute Rudjer Boskovic

Inventory Reporting Date: December 2008

Waste Matrix Used: National

## 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: LILW-SL

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LILW-SL	Storage	N	N	4.000	4.000	0.00	0.00	0.00	0.00	0.00	0.00	100.00

## Waste Class: LILW-LL

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LILW-LL	Storage	N	N	4.000	4.000	0.00	0.00	0.00	0.00	0.00	0.00	100.00

## Spent Sources &lt;=30 years in Storage

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 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	3			Y	N	Y				5.700E-002	
	5.700E-002										
Co-57	1			Y	N	Y				8.400E-003	
	8.400E-003										

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Co-60		1		Y	N	Y	1.500E+004	
		1.500E+004						
Co-60		1		Y	N	Y	5.700E+001	
		5.700E+001						
Co-60	21	1		Y	N	Y	3.020E+001	
	2.500E+001	5.200E+000						
Co-60	101			Y	N	Y	5.000E+000	
	5.000E+000							
Cs-137	56	12		Y	N	Y	2.700E+002	
	1.100E+002	1.600E+002						
Cs-137	162			Y	N	Y	1.900E+001	
	1.900E+001							
Eu-152	125	57		Y	N	Y	6.500E+002	
	3.800E+002	2.700E+002						
Eu-152	2			Y	N	Y	1.200E-002	
	1.200E-002							
Fe-55	8			Y	N	Y	1.300E+000	
	1.300E+000							
H-3		2		Y	N	Y	1.200E+001	
		1.200E+001						
Ir-192	225			Y	N	Y	2.300E+001	
	2.300E+001							
Ir-192	4	18		Y	N	Y	3.665E+002	
	6.500E+000	3.600E+002						
Ir-192		1		Y	N	Y	9.500E+001	
		9.500E+001						
Kr-85	5			Y	N	Y	8.800E+000	
	8.800E+000							
Ru-106	11			Y	N	Y	2.100E-002	
	2.100E-002							

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Sr-90	30	1		Y	N	Y	1.670E+001	
	1.100E+001	5.700E+000						
TI-204	5			Y	N	Y	3.800E-003	
	3.800E-003							

## Spent Sources &gt; 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	1	5	Y	N	Y	6.410E+001	
	1.100E+000	6.300E+001					
Am-241	14250		Y	N	Y	1.300E+001	
	1.300E+001						
Am-241	6	11	Y	N	Y	8.200E+001	
	1.000E+001	7.200E+001					
Am-241		2	Y	N	Y	2.200E+002	
		2.200E+002					
Ni-63	3		Y	N	Y	1.100E+000	
	1.100E+000						
Ra-226	1	1	Y	N	N	7.437E+001	
	3.700E-001	7.400E+001					
Ra-226	8	1	Y	N	Y	9.300E+000	
	7.000E+000	2.300E+000					
Ra-226	698		Y	N	Y	5.100E+001	
	5.100E+001						