

## Site (Data) : RPS

Stock of waste as at December 2008

Country: PHILIPPINES

Reporting Year: 2008

Site Name: RPS

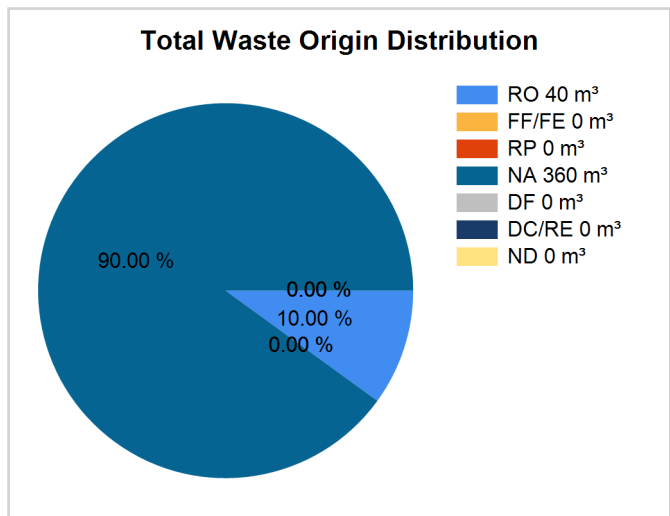
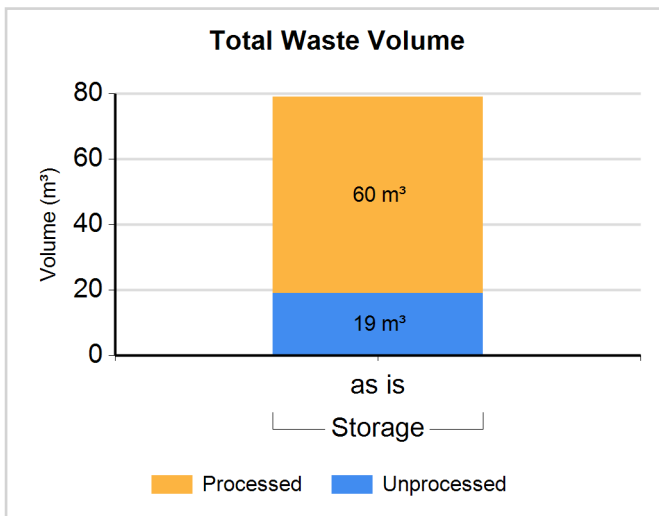
Full Name: Radiation Protection Services

Inventory Reporting Date: December 2008

Waste Matrix Used: IAEA Def.

## 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: LLW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
LLW	Storage	N	Y	16.000	16.000	0.00	0.00	0.00	100.00	0.00	0.00	0.00
LLW	Storage	Y	Y	50.000	50.000	0.00	0.00	0.00	100.00	0.00	0.00	0.00

## Waste Class: ILW

Waste Class Name	Location / Facility	Proc	Est.	Volume "as is" (m³)	Volume "as dispo" (m³)	RO %	FF/FE %	RP %	NA %	DF %	DC/RE %	ND %
ILW	Storage	N	Y	3.000	3.000	40.00	0.00	0.00	60.00	0.00	0.00	0.00
ILW	Storage	Y	Y	10.000	10.000	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	N	N	Decrease	N
Compaction	N	N	Decrease	N
Ion Exchange	N	N	Decrease	N

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## Processing - Conditioning method(s)

Method	Status			
	Planned	R&D program	Current practice method use over the last 5 years	Past Practice
Cementation	N	N	Decrease	N
Encapsulation	N	N	Decrease	N

## Spent Sources &lt;=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	5			Y	N	Y	2.900E-002	2008.12
	2.900E-002							
Cd-109	1			N	Y	Y	1.200E-005	2008.12
	1.200E-005							
Cf-252	4			N	Y	Y	1.400E+000	2008.12
	1.400E+000							
Cf-252	4			N	Y	Y	6.200E-002	2008.12
	6.200E-002							
Co-57	6			N	Y	Y	8.400E-004	2008.12
	8.400E-004							
Co-60	35			Y	N	Y	1.200E+000	2008.12
	1.200E+000							
Co-60	63			N	Y	Y	1.500E+000	2008.12
	1.500E+000							
Co-60	2	1		Y	N	Y	1.040E+001	2008.12
	1.900E+000	8.500E+000						
Co-60		4		N	Y	Y	4.500E+002	2008.12
		4.500E+002						
Co-60	27	3		N	Y	Y	9.400E+001	2008.12
	2.200E+001	7.200E+001						

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Co-60		8		Y	N	Y	4.600E+004	2008.12
		4.600E+004						
Co-60			3	N	Y	Y	1.600E+005	2008.12
			1.600E+005					
Co-60		9		N	Y	Y	1.100E+005	2008.12
		1.100E+005						
Cs-137	31			N	Y	Y	1.700E+001	2008.12
	1.700E+001							
Cs-137	16	29		N	Y	Y	3.140E+002	2008.12
	3.400E+001	2.800E+002						
Cs-137	15	47		Y	N	Y	7.190E+002	2008.12
	2.900E+001	6.900E+002						
Cs-137	42			Y	N	Y	2.300E+001	2008.12
	2.300E+001							
Cs-137		2		Y	N	Y	5.100E+004	2008.12
		5.100E+004						
Cs-137		1		N	Y	Y	2.800E+003	2008.12
		2.800E+003						
Fe-55	14			Y	N	Y	6.000E-001	2008.12
	6.000E-001							
Fe-55	6			N	Y	Y	6.300E-001	2008.12
	6.300E-001							
H-3	7			Y	N	Y	1.000E+001	2008.12
	1.000E+001							
H-3		8		N	Y	Y	6.300E+001	2008.12
		6.300E+001						
Ir-192	2			N	Y	Y	2.700E-001	2008.12
	2.700E-001							
Ir-192		1		N	Y	Y	6.900E+000	2008.12
		6.900E+000						

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Kr-85	3			N	Y	Y	3.000E-001	2008.12
	3.000E-001							
Kr-85	17	2		Y	N	Y	1.940E+001	2008.12
	3.400E+000	1.600E+001						
Pm-147	4			Y	N	Y	1.800E+000	2008.12
	1.800E+000							
Pm-147	18			N	Y	Y	2.700E+001	2008.12
	2.700E+001							
Sr-90	100	2		Y	N	Y	4.000E+001	2008.12
	2.900E+001	1.100E+001						
Sr-90	67	2		N	Y	Y	2.600E+001	2008.12
	1.500E+001	1.100E+001						
Sr-90		1		N	Y	Y	3.700E+001	2008.12
		3.700E+001						
TI-204	1			Y	N	Y	6.100E-005	2008.12
	6.100E-005							
TI-204	7			N	Y	Y	4.000E-004	2008.12
	4.000E-004							

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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		2	N	Y	Y	2.200E+002	2008.12
		2.200E+002					
Am-241		1	N	Y	Y	3.600E+000	2008.12
		3.600E+000					
Am-241	891		N	Y	Y	3.900E-001	2008.12
	3.900E-001						
Am-241	6	4	Y	N	Y	2.480E+001	2008.12
	9.800E+000	1.500E+001					
Am-241		2	N	Y	Y	2.900E+002	2008.12
		2.900E+002					
Am-241	7	8	N	Y	Y	1.210E+002	2008.12
	1.100E+001	1.100E+002					
Ni-63	351		N	Y	Y	2.200E+000	2008.12
	2.200E+000						
Pu-238	10	1	N	Y	Y	1.260E+001	2008.12
	9.500E+000	3.100E+000					
Ra-226	20		N	Y	Y	1.900E+000	2008.12
	1.900E+000						
Ra-226	242		Y	N	Y	1.600E+001	2008.12
	1.600E+001						
Ra-226	20	2	Y	N	Y	2.310E+001	2008.12
	1.800E+001	5.100E+000					

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**Multiple Nuclides SRS in Storage**

Nuclide	Activity of Sources (GBq)	cond	uncond	cat	Decay Date
Am-241	1.400E+001	N	Y	Y	2008.12
Cs-137	2.000E+000	N	Y	N	2004.03
Am-241	2.400E+001	Y	N	Y	2008.12
Cs-137	2.400E+000	Y	N	N	2004.03