

Site (Data) : RPS

Stock of waste as at December 2007

Country: PHILIPPINES

Reporting Year: 2007

Site Name: RPS

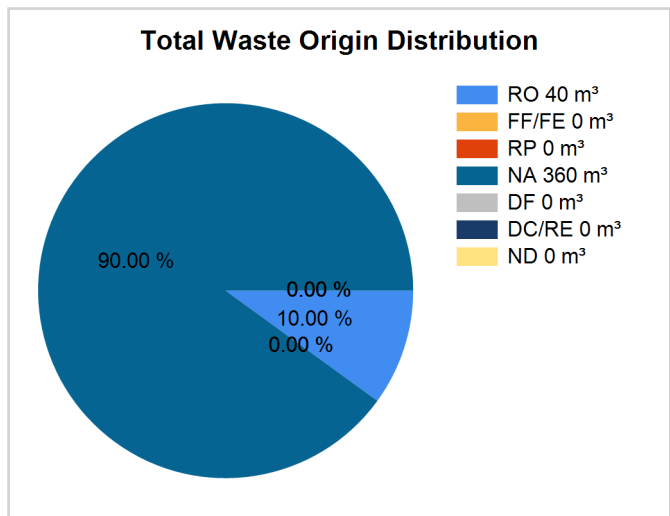
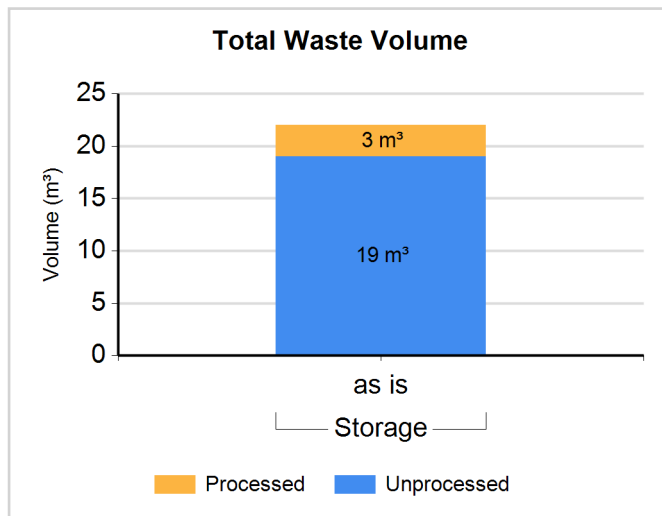
Full Name: Radiation Protection Services

Inventory Reporting Date: December 2007

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	1.000	1.000	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	2.000	2.000	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

Site (Data) : RPS

Stock of waste as at December 2007

Country: PHILIPPINES

Reporting Year: 2007

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
Encapsulation	N	N	Same	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	5			Y	N	Y	5.000E-002	2007.12
	5.000E-002							
Cd-109	1			N	Y	Y	2.100E-005	2007.12
	2.100E-005							
Cf-252	4			N	Y	Y	8.100E-002	2007.12
	8.100E-002							
Co-57	6			N	Y	Y	2.200E-003	2007.12
	2.200E-003							
Co-60	34			Y	N	Y	1.400E+000	2007.12
	1.400E+000							
Co-60	51			N	Y	Y	1.700E+000	2007.12
	1.700E+000							
Co-60		3		Y	N	Y	3.200E+001	2007.12
		3.200E+001						
Co-60		4		N	Y	Y	4.800E+002	2007.12
		4.800E+002						
Co-60	9	1		N	Y	Y	3.900E+001	2007.12
	1.100E+001	2.800E+001						
Co-60		9		Y	N	Y	6.700E+004	2007.12
		6.700E+004						

Site (Data) : RPS

Stock of waste as at December 2007

Country: PHILIPPINES

Reporting Year: 2007

Co-60			2	N	Y	Y	1.000E+005	2007.12
			1.000E+005					
Co-60		9		N	Y	Y	1.200E+005	2007.12
		1.200E+005						
Cs-137	24			N	Y	Y	9.300E+000	2007.12
	9.300E+000							
Cs-137	15	47		Y	N	Y	7.390E+002	2007.12
	2.900E+001	7.100E+002						
Cs-137	10	28		N	Y	Y	3.090E+002	2007.12
	2.900E+001	2.800E+002						
Cs-137	42			Y	N	Y	2.400E+001	2007.12
	2.400E+001							
Cs-137		2		Y	N	Y	5.200E+004	2007.12
		5.200E+004						
Fe-55	14			Y	N	Y	7.800E-001	2007.12
	7.800E-001							
Fe-55	6			N	Y	Y	8.200E-001	2007.12
	8.200E-001							
H-3	7			Y	N	Y	1.100E+001	2007.12
	1.100E+001							
H-3		8		N	Y	Y	6.700E+001	2007.12
		6.700E+001						
Ir-192	14			N	Y	Y	7.500E-001	2007.12
	7.500E-001							
Kr-85	3			N	Y	Y	3.200E-001	2007.12
	3.200E-001							
Kr-85	17	1		Y	N	Y	1.360E+001	2007.12
	3.600E+000	1.000E+001						
Pm-147	4			Y	N	Y	2.300E+000	2007.12
	2.300E+000							

Site (Data) : RPS

Stock of waste as at December 2007

Country: PHILIPPINES

Reporting Year: 2007

Pm-147	16	1		N	Y	Y	9.900E+000	2007.12
	1.800E+000	8.100E+000						
Sr-90	102	2		Y	N	Y	4.300E+001	2007.12
	3.200E+001	1.100E+001						
Sr-90	64	2		N	Y	Y	2.300E+001	2007.12
	1.100E+001	1.200E+001						
Sr-90		1		N	Y	Y	3.800E+001	2007.12
		3.800E+001						
TI-204	1			Y	N	Y	7.400E-005	2007.12
	7.400E-005							
TI-204	7			N	Y	Y	4.800E-004	2007.12
	4.800E-004							

Site (Data) : RPS

Stock of waste as at December 2007

Country: PHILIPPINES

Reporting Year: 2007

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	887		N	Y	Y	3.900E-001	2007.12
	3.900E-001						
Am-241	6	4	Y	N	Y	2.480E+001	2007.12
	9.800E+000	1.500E+001					
Am-241		2	N	Y	Y	2.900E+002	2007.12
		2.900E+002					
Am-241	7	6	N	Y	Y	1.110E+002	2007.12
	1.100E+001	1.000E+002					
Ni-63	350		N	Y	Y	1.200E+000	2007.12
	1.200E+000						
Pu-238	9		N	Y	Y	8.400E+000	2007.12
	8.400E+000						
Ra-226	22		N	Y	Y	1.000E+000	2007.12
	1.000E+000						
Ra-226	277		Y	N	Y	3.800E+001	2007.12
	3.800E+001						
Ra-226	2		N	Y	Y	2.200E+000	2007.12
	2.200E+000						

Multiple Nuclides SRS in Storage

Nuclide	Activity of Sources (GBq)	cond	uncond	cat	Decay Date
Am-241	2.700E+001	Y	N	Y	2007.12
Cs-137	2.800E+000	Y	N	N	2004.03
Am-241	6.400E+000	N	Y	Y	2007.12
Cs-137	3.300E+000	N	Y	N	2004.03