

A3 Waste Volumes from Each Producer and Site

**Table A3.4 Location of wastes (cont'd)
Volume at 1 April 2004, and quantities of all wastes when packaged**

Site	Waste type	Waste volume at 1.4.2004 (m ³)	When all wastes at 1.4.2004 and future arisings are packaged		
			Number of packages	Packaged volume (m ³)	Conditioned volume (m ³)
MoD sites:					
AWE Aldermaston	ILW	3,630	14,400	8,430	7,260
	LLW	1,260	24,500	478,000	382,000
HMNB Devonport	ILW	28.3	25	474	379
	LLW	57	104	2,020	953
Rosyth Royal Dockyard	ILW	26.7	11	199	159
	LLW	104	65	1,260	1,010
HMNB Clyde	LLW	9	31	598	389
Rosyth & Devonport Submarines	ILW	519	251	5,160	2,920
	LLW	448	152	2,950	2,360
HMNB Portsmouth	ILW	0.1	1	0.1	0.1
	LLW	6	2	22.8	18.2
Eskmeals	LLW	6	16	7.7	6.6
DSTL Fort Halstead	ILW	0	8	0.6	0.5
	LLW	0.1	47	15.8	13.4
DSDC (North)	LLW	6	1	8	6
Defence Estates (Various)	LLW	260	39	746	597
NRTE Vulcan	ILW	7	17	313	250
	LLW	0	7	134	107
RRMPOL Derby	LLW	40	18	348	279
BAESM Barrow	LLW	1.8	1	7.6	3.5

(1) Waste volumes at 1.4.2004 are for untreated or partly treated waste, apart from conditioned wastes (i.e. waste streams with a /C in the identifier) where the conditioned volume is reported.

A4 List of Waste Streams in the Inventory and their Volumes

Producer - Site		Waste type	Waste volume at 1.4.2004 (m³)	When all wastes at 1.4.2004 and future arisings are packaged		
Stream Identifier	Title			Number of packages	Packaged volume (m³)	Conditioned volume (m³)
5F301	Windscale Pile 1 LLW	LLW	0	136	2,650	2,120
5F302	Windscale Pile 1 Undamaged Graphite	ILW	0	147	3,160	2,650
5F303	Windscale Pile 2 LLW	LLW	0	217	4,220	3,380
5F304	Windscale Pile 2 ILW	ILW	2.1	994	577	497
5F307	Windscale Advanced Gas-Cooled Reactor (WAGR) Decommissioning LLW	LLW	0	659	9,990	6,600
5F307/C	Conditioned Windscale Advanced Gas-Cooled Reactor (WAGR) Decommissioning LLW	LLW	57.1	10.0	118	57.1
5F308	Windscale Advanced Gas-Cooled Reactor (WAGR) Decommissioning ILW	ILW	0	7.7	91.2	44.3
5F308/C	Conditioned WAGR Decommissioning ILW	ILW	634.0	110	1,300	634
5F309	AGR Examination Caves LLW	LLW	0	44.9	875	700
5F310	AGR Examination Caves ILW	ILW	0	0.3	6.6	5.5
5F311	Other Facilities Decommissioning LLW	LLW	0	527	10,300	8,210
5F312	Other Facilities Decommissioning ILW	ILW	0	7.8	167	140
5F313	Windscale Pile 1 Miscellaneous ILW	ILW	0	213	704	555
5F314	Windscale Pile 1 Water Duct Debris	ILW	3.7	2.4	8.0	6.3
UKAEA - Winfrith						
5G01	Miscellaneous Reactor Hardware ILW	ILW	10.0	2.0	20.7	11.7
5G03	Ion Exchange Resin, Sludges	LLW	352.0	1,120	652	562
5G04	Miscellaneous ILW	ILW	2.1	5.5	3.2	2.2
5G10	ILW Sea Disposal Packages	ILW	5.4	10.8	6.3	5.4
5G11	LLW Sea Disposal Packages	LLW	15.9	1.0	19.9	15.9
5G16	Uncompactable Operational LLW	LLW	47.0	9.0	175	140
5G17	Compactable Operational LLW	LLW	8.6	1.5	30.1	24.1
5G20	Dragon Fuel Waste	ILW	1.0	2.5	1.5	1.0
5G21	Uranic Residues	ILW	3.9	68.4	39.7	34.2
5G22	Winfrith Low-Enriched Uranium	ILW	0.5	34.0	19.7	17.0
5G23	Winfrith Thorium Metal	ILW	1.0	46.0	26.7	23.0
5G300	Winfrith Contaminated Land	LLW	0	11.0	215	172
5G301	SGHWR Decommissioning LLW	LLW	613.0	646	12,600	10,100
5G302	SGHWR Decommissioning ILW	ILW	0	29.1	308	175
5G303	Dragon Reactor Decommissioning LLW	LLW	0	97.1	1,890	1,510
5G304	Dragon Reactor Decommissioning ILW	ILW	0	40.7	431	126
5G307	Other Facilities Decommissioning LLW	LLW	0	196	3,810	3,050
5G308	Other Facilities Decommissioning ILW	ILW	0.8	1.9	1.1	0.8
UKAEA - Culham						
5H06	LLW Soft Compactable Materials	LLW	50.0	6.7	130	104
5H07	LLW Hard Non-Compactable Materials	LLW	50.0	21.5	280	200
5H08	ILW Hard Non-Compactable Materials	ILW	10.0	30.0	17.4	15.0
5H09	ILW Soft Compactable Materials	ILW	11.0	40.0	23.2	20.0
5H301	JET Decommissioning Non-Activated ILW	ILW	0	5.6	119	100
5H302	JET Decommissioning Tritiated Non-Activated LLW	LLW	0	25.6	500	400
5H304	JET Decommissioning Tritiated Activated LLW	LLW	0	385	7,500	6,000
5H305	JET Decommissioning Concrete LLW	LLW	0	641	12,500	10,000
5H306	JET Decommissioning Activated ILW	ILW	0	13.9	299	250
Minor Waste Producers - Harwell						
6C31	NDS Contact Handled ILW	ILW	73.7	74.7	43.3	37.4
6C32	NDS Remote Handled ILW	ILW	33.4	102	59.9	40.6
6C36	NDS Solid Tritiated ILW	ILW	31.4	62.8	36.4	31.4
6C37	National Disposal Service LLW	LLW	9.0	1.5	29.3	23.4
Minor Waste Producers - Various sites						
6H02	LLW (Minor Users)	LLW	0	675	12,600	9,970
Minor Waste Producers - Sheffield						
6J01	Contaminated Slag and Other Materials	LLW	200.0	12.8	250	200
Ministry of Defence - AWE Aldermaston						
7A07	Effluent Sludges/Floc	LLW	765.0	129	2,520	2,020
7A13	Sea Disposal Packs (Coffins)	ILW	204.1	408	237	204
7A21	Operational ILW Plutonium Contaminated	ILW	2,240.3	5,680	3,290	2,840
7A22	Operational ILW Tritium Hard Waste	ILW	24.0	52.2	30.3	26.1
7A24	Operational LLW Suitable for Disposal at Drigg - Depleted/Natural Uranium	LLW	0	45.0	877	702
7A25	Operational Tritiated LLW Suitable for Disposal at Drigg	LLW	0	8.7	169	135
7A26	Operational LLW Suitable for Disposal at Drigg - Enriched Uranium	LLW	0	11.6	227	182
7A27	Operational LLW Suitable for Disposal at Drigg - Plutonium	LLW	0	49.0	955	764
7A28	Operational LLW Suitable for Disposal at Drigg - Miscellaneous Radionuclides	LLW	0	1.8	35.6	28.5
7A29	Uranium Contaminated Operations ILW	ILW	168.0	476	276	238
7A31	Operational ILW Tritiated (Water)	ILW	0	17.0	9.9	8.5
7A32	LLW Closed Sources	LLW	0.5	1.5	29.7	23.8
7A33	Radioactive Contaminated Land	LLW	200.0	23,700	463,000	370,000

A4 List of Waste Streams in the Inventory and their Volumes

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Stream Identifier	Title			Number of packages	Packaged volume (m ³)	Conditioned volume (m ³)
7A34	LLW Contaminated Oil	LLW	15.7	0	0	0
7A35	ILW Contaminated Oil	ILW	22.8	0	0	0
7A36	Pyrochemical wastes	ILW	21.1	42.2	24.5	21.1
7A37	Contaminated Mercury	LLW	6.3	0	0	0
7A38	LLW Sea Dump Drums	LLW	272.1	41.8	816	652
7A109	Decommissioning Waste from Reactors ILW	ILW	0	35.3	116	95.2
7A110	Decommissioning Waste Tritium Bearing ILW	ILW	1.1	138	80.1	69.1
7A111	Decommissioning Waste PCM ILW	ILW	948.7	6,970	4,040	3,480
7A112	Decommissioning LLW Suitable for Disposal at Drigg - Natural / Depleted Uranium	LLW	0	8.2	159	127
7A113	Decommissioning LLW Suitable for Disposal at Drigg - Tritiated	LLW	0	7.8	153	122
7A114	Decommissioning LLW Suitable for Disposal at Drigg - Enriched Uranium	LLW	0	119	2,320	1,850
7A115	Decommissioning LLW Suitable for Disposal at Drigg - Plutonium	LLW	0	325	6,330	5,070
7A116	Decommissioning LLW Suitable for Disposal at Drigg - Miscellaneous	LLW	0	26.1	509	407
7A117	Decommissioning Waste Uranium Contaminated ILW	ILW	0	554	321	277
Ministry of Defence - HMNB Devonport						
7D22	Soft Trash from Nuclear Repair Activities	LLW	14.0	8.9	174	139
7D23	Hard Trash from Nuclear Repair Activities	LLW	14.0	10.4	203	162
7D24	ILW Reactor Components	ILW	3.0	0.8	15.2	12.1
7D26/C	Conditioned Low Level Ion Exchange Resin (excl. Plant Decontamination)	LLW	7.8	44.3	864	199
7D28	Low Level Waste Resin from Plant Decontamination (MODIX)	LLW	15.0	6.7	130	104
7D29	Intermediate Level Waste Resin from Plant Decontamination (MODIX)	ILW	22.1	11.6	226	181
7D30/C	Conditioned Sludge from Tank Cleaning Operations	LLW	4.2	4.2	81.8	30.2
7D31/C	Supercompacted Low Level Filters (from Effluent Treatment Processes)	LLW	2.0	1.4	28.1	15.0
7D32	Intermediate Level Filters from Plant Decontamination Processes	ILW	0	0.1	1.9	1.5
7D33	TSSBN Refitting: Filters	LLW	0	0.1	1.9	1.5
7D34	Ion Exchange Resin from Primary Circuit Decontamination	LLW	0	2.5	48.5	38.8
7D35	Boronated LLW Ion Exchange Resin	LLW	0	0.9	17.3	13.9
7D36	Low level Waste - LLRF Ion Exchange Resin	LLW	0	0.3	5.2	4.2
7D37	Low Level Waste - LLRF Concentrate	LLW	0	0.3	6.5	5.2
7D38	Low Level Waste - PWR 1&2 Boron Concentrate	LLW	0	4.7	91.0	72.8
7D39/C	LLW Submarine Ion Exchange Resin	LLW	0	15.0	293	108
7D40	ILW PCD Ion Exchange Resin	ILW	0	5.6	109	87.4
7D41	ILW Submarine Ion Exchange Resin	ILW	3.2	6.3	122	97.8
7D100	Solid LLW arising from Plant Decommissioning	LLW	0	3.8	74.0	59.1
Ministry of Defence - Rosyth Royal Dockyard						
7E22	Submarine Refitting Wastes (Soft Trash)	LLW	20.0	1.0	19.1	15.3
7E23	Metallic Waste	LLW	78.0	5.6	110	88.0
7E24	Intermediate Level Waste - Steel	ILW	5.0	0.3	6.3	5.0
7E26	Low Level Resin from Submarines & Effluent Treatment Plant	LLW	1.4	14.3	278	223
7E27	Submarine Ion Exchange Resin	ILW	1.4	0.6	12.4	9.9
7E28	Ion Exchange Resin from Submarine Decontamination Process	LLW	4.2	1.9	37.2	29.8
7E29	Intermediate Level Ion Exchange Resin (Decontamination)	ILW	20.3	9.2	180	144
7E101	Site and Facilities Decommissioning Waste: Steel and Building Rubble	LLW	0	42.0	819	655
Ministry of Defence - HMNB Clyde						
7F22	Submarine Reactor Wastes (Non-metallic)	LLW	7.6	16.9	329	264
7F23	Submarine Reactor Wastes (Metallic LLW)	LLW	1.0	3.2	62.4	49.9
7F26/C	Conditioned Ion Exchange Resin from Nuclear Effluent Plants	LLW	0	10.6	206	76.0
Ministry of Defence - Rosyth & Devonport (Submarines)						
7G102	Short-Lived ILW from Decommissioned Submarines	ILW	348.8	118	2,300	1,840
7G103	LLW from Decommissioned Submarines	LLW	448.0	151	2,950	2,360
7G104	Long-Lived ILW from Decommissioned Submarines	ILW	169.8	133	2,860	1,080
Ministry of Defence - HMNB Portsmouth						
7J23	Miscellaneous LLW sent to Drigg	LLW	1.0	0.1	1.1	0.8
7J25	Low Level Luminised Waste sent to Drigg	LLW	5.0	1.1	21.8	17.4
7J27	Intermediate Level Tritium Waste	ILW	0.1	0.2	0.1	0.1
Ministry of Defence - Eskmeals						
7L02/C	Target Washings Contaminated with Depleted Uranium	LLW	0	2.5	1.2	1.0
7L03	Filters Contaminated with Depleted Uranium	LLW	1.2	<0.1	0.8	0.6
7L05	Redundant Equipment Contaminated with Depleted Uranium	LLW	5.0	12.5	5.8	5.0
Ministry of Defence - DSTL Fort Halstead						
7M01	Depleted Uranium Contaminated Waste	LLW	0.1	46.5	15.8	13.4
7M02	Depleted Uranium Waste	ILW	0	8.0	0.6	0.5
Ministry of Defence - DSDC North						
7N01	DSDCN Stafford Miscellaneous LLW	LLW	4.0	0.3	5.0	4.0
7N03	DSDCN Donnington Miscellaneous LLW	LLW	2.0	0.1	2.5	2.0

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Producer - Site		Waste type	Waste volume at 1.4.2004 (m ³)	When all wastes at 1.4.2004 and future arisings are packaged		
Stream Identifier	Title			Number of packages	Packaged volume (m ³)	Conditioned volume (m ³)
Ministry of Defence - Defence Estates (Various)						
7S01	Contaminated Soil, Ash & Rubble	LLW	260.0	38.3	746	597
Ministry of Defence - NRTE Vulcan						
7V24	Metallic ILW from Vulcan	ILW	4.0	15.6	305	244
7V25	Resin from Decontamination Operations	ILW	2.8	0.4	8.0	6.4
7V26	Vulcan Supercompactable Drummed Low Level Waste	LLW	0	6.9	134	107
Ministry of Defence - RRMPOLE Derby						
7X01	RRMPOL Low Level Wastes	LLW	40.0	17.9	348	279
Ministry of Defence - BAESM Barrow-in-Furness						
7Y01/C	Ion Exchange Resins	LLW	1.8	0.4	7.6	3.5
7Y02	Redundant Equipment	LLW	<0.1	<0.1	0.1	<0.1
7Y03	Liquid Sources	LLW	<0.1	<0.1	<0.1	<0.1
URENCO - Capenhurst						
8A01	Feed Filter Material	ILW	0.7	2.1	1.2	1.1
8A03	Contaminated Combustible Waste	LLW	10.0	17.0	331	264
8A101	Centrifuge Plant Decommissioning	LLW	12.0	0.2	3.8	2.9