

Aspen's group waste register - 2015

Type of Waste	Waste type	2015 (Tonnes)	New sites from 2015* (Tonnes)	2015 less new sites (Tonnes)	2014 (Tonnes)	Variance (%)	Reason for variance greater than 10%	Disposal method
Aluminium waste	Non - Hazardous	2.63	-	2.63	-	<i>Not reported in 2014</i>	Not applicable	Recycling
Animal feed (Formula powder)	Non - Hazardous	846.20	324.95	521.25	656.91	-21%	Once off return of expired S-26 stock at the infant nutritionals site in Johannesburg in the prior year.	Recycling
Asbestos	Hazardous	3.10	2.10	1.00	-	<i>Not reported in 2014</i>	Not applicable	Landfill & Recycling
Batteries	Hazardous	1.06	1.06	-	-	<i>Not reported in 2014</i>	Not applicable	Energy recovery & Recycling
Biohazardous waste	Hazardous	36.14	7.92	28.22	25.51	11%	The increase is due to the commissioning of the C2 facility at FCC.	Incineration, Recycling & Landfill
Cans	Non - Hazardous	188.69	66.04	122.65	210.68	-42%	Once off return of expired S-26 stock at the infant nutritionals site in Johannesburg in the prior year.	Recycling
Construction waste	Hazardous	107.59	99.43	8.16	6.70	22%	The increase in construction waste is linked to the construction of the B3 packaging line and Ovestin production area at ABO.	Incineration & Recycling
Construction waste	Non - Hazardous	1 334.52	1 334.52	-	-	<i>Not reported in 2014</i>	Not applicable	Landfill & Recycling
Drums, Buckets and Canisters	Hazardous	13.68	11.06	2.61	-	<i>Not reported in 2014</i>	Not applicable	Incineration & Landfill
Drums, Buckets and Canisters	Non - Hazardous	160.51	1.66	158.85	174.37	-9%	Not applicable	Recycling
Engineering and Maintenance waste	Hazardous	0.77	-	0.77	-	<i>Not reported in 2014</i>	Not applicable	Landfill
Engineering and Maintenance waste	Non - Hazardous	0.22	0.22	-	-	<i>Not reported in 2014</i>	Not applicable	Recycling
Ethanol	Hazardous	1 943.35	1 943.35	-	-	<i>Not reported in 2014</i>	Not applicable	Recycling

E-Waste	Hazardous	3.34	3.34	-	-	<i>Not reported in 2014</i>	Not applicable	Recycling
E-Waste	Non - Hazardous	3.53	-	3.53	0.77	358%	E-Waste was not reported at the South African facilities in 2014.	Recycling
Fluorescent tubes	Hazardous	2.12	0.78	1.34	3.62	-63%	Due to the upgrade of light fittings, the usage of fluorescent tubes has decreased in Port Elizabeth.	Energy recovery, Landfill, Incineration & Recycling
General waste	Non - Hazardous	3 346.70	2 128.51	1 218.18	1 217.19	0%	Not applicable	Energy Recovery, Co-processing, Incineration, Landfill & Recycling
Glass	Non - Hazardous	108.64	13.27	95.37	91.30	4%	Not applicable	Landfill & Recycling
Grease	Hazardous	-	-	-	37.40	-100%	The fat separator was completely emptied and cleaned during the 2014 financial year for ABO.	Biological treatment
Grease	Non - Hazardous	32.40	-	32.40	-	<i>Not reported in 2014</i>	Not applicable	Recycling
Hazardous waste	Hazardous	3 604.79	1 029.02	2 575.77	2 264.23	14%	The increase is due to the commissioning of the C2 facility at FCC.	Energy recovery, Incineration, Landfill & Recycling
Hormonal waste	Hazardous	46.03	-	46.03	68.66	-33%	Discontinuation of hormonal product manufactured in SVP (Port Elizabeth).	Landfill
Kitchen waste	Non - Hazardous	13.88	-	13.88	7.17	94%	This increase is due to the inclusion of additional items in this waste stream when it was reclassified in April 2014.	Composting
Laboratory waste	Hazardous	81.21	5.64	75.57	-	<i>Not reported in 2014</i>	Not applicable	Landfill & Energy Recovery
Liquid waste	Hazardous	259.23	-	259.23	358.44	-28%	The decrease is due to the decline in the Actifed Syrup volumes at ABO.	Recycling & Treatment plant

Nutritional waste	Non - Hazardous	170.22	170.22	-	-	<i>Not reported in 2014</i>	Not applicable	Co-processing
Paper and Cardboard	Non - Hazardous	1 388.82	434.91	953.91	855.43	12%	Decreased production volumes at the Port Elizabeth site.	Recycling
Pharmaceutical - High Risk	Hazardous	335.06	-	335.06	80.26	317%	The increase is due to the disposal of Actifed for GSK and increased technical transfer activity, which resulted in the disposal of trial batches.	Incineration, Landfill & Thermal Desorption
Pharmaceutical - Low Risk	Hazardous	1 125.83	195.23	930.60	1 154.05	-19%	FCC disposed of sodium acetate, which is a by product of paracetamol during 2014. This product is no longer manufactured at this site.	Energy recovery, Incineration, Recycling & Landfill
Plastic	Non - Hazardous	575.06	349.38	225.68	235.42	-4%	Not applicable	Recycling
Printed components	Non - Hazardous	41.46	2.52	38.94	49.31	-21%	Disposal of discontinued printed components in Port Elizabeth.	Landfill & Recycling
Recovered solvents	Hazardous	3 901.76	3 579.26	322.50	279.00	16%	The site undertook a project to recycle solvents rather than dispose them at FCC.	Landfill Reclamation & Recycling
Rejected warehouse waste	Hazardous	5.13	-	5.13	-	<i>Not reported in 2014</i>	Not applicable	Landfill
Rubber	Non - Hazardous	0.19	-	0.19	-	<i>Not reported in 2014</i>	Not applicable	Recycling
Scrap metal	Hazardous	52.57	52.57	-	-	<i>Not reported in 2014</i>	Not applicable	Recycling
Scrap metal	Non - Hazardous	192.30	116.78	75.51	183.40	-59%	This waste stream included waste relating to construction for FCC. During the 2014 financial year, a number of demolition projects were conducted; and there was less demolition activity in the 2015 financial year.	Recycling
Silica	Hazardous	23.63	23.63	-	-	<i>Not reported in 2014</i>	Not applicable	Incineration

Sludge waste	Hazardous	283.49	58.66	224.82	332.29	-32%	The new effluent treatment plant, at the Nutritional site in Johannesburg, is more efficient and most of the water is extracted, thereby reducing the quantity of sludge sent to landfill.	Co-processing, Incineration, Landfill, Treatment Plant & Recycling
Sludge waste	Non - Hazardous	0.59	0.59	-	-	Not reported in 2014	Not applicable	Landfill
Soil	Non - Hazardous	16.27	16.27	-	-	Not reported in 2014	Not applicable	Recycling
Waste Bulk Solvents	Hazardous	4 922.06	4 922.06	-	-	Not reported in 2014	Not applicable	Incineration & Landfill
Waste chemicals	Hazardous	195.52	195.52	-	-	Not reported in 2014	Not applicable	Incineration, Landfill & Recycling
Waste from animal origin	Non - Hazardous	20 351.70	20 351.70	-	-	Not reported in 2014	Not applicable	Incineration & Recycling
Waste oil	Hazardous	3.47	2.11	1.36	0.72	89%	The increase is due to the commissioning of the C2 facility at FCC.	Energy recovery, Incineration & Recycling
Waste oil	Non - Hazardous	1.47	1.47	-	-	Not reported in 2014	Not applicable	Recycling
Waste Packed Solvents	Hazardous	170.65	170.65	-	-	Not reported in 2014	Not applicable	Incineration & Landfill
Waste water	Hazardous	6 266.13	6 266.13	-	-	Not reported in 2014	Not applicable	Incineration & Landfill
Waste water	Non - Hazardous	20.45	20.45	-	-	Not reported in 2014	Not applicable	Incineration & Recycling
Wood	Non - Hazardous	317.41	126.09	191.32	156.08	23%	The increase is due to the recycling of wooden crates in which the new equipment is delivered to FCC.	Recycling
Total waste generated		52 502	44 029	8 472	8 449			

Total waste generated by waste type

	2015 (Tonnes)	New sites from 2015* (Tonnes)	2015 less new sites (Tonnes)	2014 (Tonnes)
Hazardous	23 388	18 570	4 818	4 611
Non - Hazardous	29 114	25 460	3 654	3 838
Total waste generated	52 502	44 029	8 472	8 449

** New sites from 2015 include Aspen NDB, Aspen Oss, Aspen API and Vallejo in Mexico.*