

ENVIRONMENTAL INDICATORS

SECTION	Verification by the Statutory Auditors		Unit	GRI G4	2012	2013	2014
	Limited assurance	Reasonable assurance					
MANAGEMENT							
WASTE — Percentage of activity (tonnage) covered by ISO 14001 certification			%	SE	84.0	87.3	98
WATER — Percentage of activity (volume) covered by ISO 14001 certification			%	SE	68.1	73.6	59
Convictions relating to damage caused to the environment			Number	G4-EN29	3	3	7
Compensation paid as a result of convictions (related to incidents affecting the environment)			€ thousand	G4-EN29	1,715	22	406
Total number and volume of significant accidental spills			Number	G4-EN24	0	0	0
ENERGY							
Installed capacity – Electricity – Biogas recovery			MWe	G4-EN3	134	172	187
Installed capacity – Electricity – Waste-to-energy recovery of household waste			MWe	G4-EN3	517	515	513
Installed capacity – Heat – Biogas recovery			MWth	G4-EN3	67	199	55
Installed capacity – Heat – Waste-to-energy recovery of household waste			MWth	G4-EN3	1,632	1,587	1,631
Energy consumption – Waste only – Electricity ⁽¹⁾	x	xx	MWhe	G4-EN3	587,000	558,360	617,935
Energy consumption – Water only – Electricity ⁽¹⁾		xx	MWhe	G4-EN3	4,170,000	4,542,515	4,251,884
Energy consumption – Water and waste – Electricity ⁽¹⁾	x	xx	MWhe	G4-EN3	4,757,000	5,100,875	4,869,819
Energy consumption – Water and waste – Natural gas ⁽¹⁾		xx	MWhe	G4-EN3	436,250	387,973	394,658
Energy consumption – Water and waste – Other fuels ⁽¹⁾		xx	MWhe	G4-EN3	3,201,198	3,899,284	3,701,628
Energy consumption – Waste – Total energy consumption ⁽¹⁾	x	xx	MWhe	G4-EN3	3,473,482	3,344,816	3,308,170
Energy consumption – Water – Total energy consumption		xx	MWhe	G4-EN3	4,920,966	6,043,316	5,657,935
Energy consumption par tonne of non-hazardous waste treated			kWhe/t	G4-EN5	33	35	33
Electricity consumption per m ³ of drinking water produced and distributed ⁽²⁾		xx	Whe / m ³	G4-EN5	519	426	424
Electricity consumption per m ³ of wastewater collected and treated			Whe / m ³	G4-EN5	937	611	770
WATER							
Waste – Water consumption			m ³	G4-EN8	9,588,054	9,345,524	9,699,999
AIR							
Direct GHG emissions ^{(1) (3)}	x	xx	tCO ₂ Eq	G4-EN15	5,695,329	5,426,088	6,086,997
— of which Waste - Collection activities	x	xx	tCO ₂ Eq	G4-EN15	558,591	567,390	521,896
— of which Waste - Incineration	x		tCO ₂ Eq	G4-EN15	2,275,013	2,066,971	2,310,006
— of which Waste - Storage	x	xx	tCO ₂ Eq	G4-EN15	2,048,755	2,066,051	2,303,761
— of which Waste - Treatment of hazardous industrial waste	x		tCO ₂ Eq	G4-EN15	385,778	291,446	295,934
— of which Waste - Other direct emissions	x	xx	tCO ₂ Eq	G4-EN15	NC	NC	242,958
— of which Water - Treatment of wastewater			tCO ₂ Eq	G4-EN15	427,191	434,230	412,442
Emissions of ozone-depleting substances			t	G4-EN20	0	0	0
Indirect GHG emissions ⁽³⁾	x		tCO ₂ Eq	G4-EN16	1,473,660	1,977,016	1,796,765
— of which Waste - Annual electricity consumption ⁽¹⁾	x	xx	tCO ₂ Eq	G4-EN16	280,698	314,587	287,272
— of which Water - Annual electricity consumption	x		tCO ₂ Eq	G4-EN16	1,192,962	1,662,429	1,509,493
Contribution to avoidance of GHG emissions			tCO ₂ Eq	G4-EN19	7,545,530	8,238,948	8,886,832
— of which Waste - Through materials recovery			tCO ₂ Eq	G4-EN19	5,065,676	5,776,890	5,606,494
— of which Waste - Through waste-to-energy recovery (incineration)			tCO ₂ Eq	G4-EN19	1,025,734	998,694	1,086,369
— of which Waste - Through waste-to-energy recovery (storage)			tCO ₂ Eq	G4-EN19	376,258	400,422	381,656
— of which Waste - Through waste-to-energy recovery of hazardous waste			tCO ₂ Eq	G4-EN19	71,176	73,300	76,854
— of which Waste - Through the alternative fuels produced and supplied by SE			tCO ₂ Eq	G4-EN19	920,367	899,250	1,585,521
— of which Water - Through waste-to-energy recovery			tCO ₂ Eq	G4-EN19	86,219	90,391	149,938
DISTRIBUTION AND PRODUCTION OF DRINKING WATER							
Volume of groundwater drawn			Mm ³	G4-EN8	553	693	669
Volume of surface water drawn			Mm ³	G4-EN8	3,216	3,213	3,430
Number of drinking water treatment plants			Number	G4-9	1,177	1,154	1,154
Annual production volume (network input) ⁽²⁾		xx	Mm ³	G4-9	4,752	4,954	4,325
Volume of drinking water distributed ⁽²⁾		xx	Mm ³	G4-9	3,362	4,275	3,185
Technical yield of drinking water distribution networks ⁽²⁾		xx	%	SE	76.80	76.41	76.40
Network length			km	SE	251,292	250,905	248,891
Quantity of reagents used for treating drinking water			t	G4-EN1	129,144	115,703	90,004
COLLECTION AND TREATMENT OF WASTEWATER							
Total number of wastewater treatment plants			Number	G4-9	2,266	2,180	2,188
Network length			km	SE	122,054	123,917	128,062
Volume of wastewater treated			Mm ³	G4-9	3,316	3,981	4,641
Amount of BOD waste entering wastewater treatment plants			t	G4-EN22	811,719	924,765	1,031,723
Amount of BOD waste exiting wastewater treatment plants			t	G4-EN22	62,304	83,690	101,099
Treatment efficiency – amount of BOD5 eliminated from treatment plants			%	G4-EN22	92	91	90
Amount of nitrogen entering wastewater treatment plants			t	G4-EN22	144,767	147,365	176,051
Amount of nitrogen exiting wastewater treatment plants			t	G4-EN22	54,526	50,279	65,231
Treatment efficiency – amount of nitrogen eliminated from treatment plants			%	G4-EN22	62	66	63
Quantity of reagents used in wastewater treatment			t	G4-EN1	84,742	93,470	121,551
Percentage of water re-used after treatment			%	G4-EN10	23	20	20
Percentage of sludge re-used (agricultural recovery)			%	G4-EN23	71	63	68
Production of electrical power		xx	GWh	G4-EN3	NC	102	209
Production of thermal power		xx	GWh	G4-EN3	NC	149	287
WASTE COLLECTION SERVICES							
Number of inhabitants receiving collection services			Number	G4-9	49,292,436	52,276,940	36,216,532
Number of industrial and commercial customers receiving collection services			Number	G4-9	466,275	417,349	410,077
Total tonnage of household and similar waste collected			t	G4-EN23	11,582,456	10,507,863	9,629,682
Total tonnage of medical waste collected			t	G4-EN23	159,954	149,847	134,704
Total tonnage of industrial and commercial waste collected			t	G4-EN23	14,002,761	11,988,467	11,425,490
Tonnage of hazardous waste collected			t	G4-EN23	1,186,878	1,083,568	1,186,399
Total number of waste collection, cleaning, and wastewater treatment trucks			Number	G4-EN30	12,174	12,545	12,271
Percentage of the truck fleet running on alternative fuels			%	G4-EN30	4.7	2.9	8
Quantified diesel fuel consumption per truck			m ³ /num.	G4-EN5	14.6	15.0	14.2
Average diesel fuel consumption per tonne collected			l/t	G4-EN5	7.4	6.7	7.5
SORTING AND RECYCLING BUSINESSES							
Number of sites operating in the transfer of waste			Number	G4-9	270	385	332
Number of sites operating in sorting/recycling			Number	G4-9	373	349	362
Tonnage of recovered materials from sorting centres			t	G4-EN23	8,781,841	8,568,410	7,954,843
Volume of raw materials from recycling			t	G4-EN23	NC	3,500,000	4,101,701
COMPOSTING ACTIVITIES							
Number of composting facilities			Number	G4-9	128	123	127
Incoming tonnage			t	G4-EN23	2,081,652	2,209,965	2,041,291
Tonnage of compost produced			t	G4-EN23	847,401	901,538	916,963
Tonnage of sewage sludge treated for material recovery			t	G4-EN23	573,197	569,970	513,281
NON-HAZARDOUS WASTE THERMAL TREATMENT ACTIVITIES							
Number of urban waste incineration plants			Number	G4-9	48	46	44
Tonnage of waste incinerated ⁽¹⁾		xx	t	G4-EN23	6,662,964	6,225,817	6,762,114
SOx emissions			t	G4-EN21	385	297	344
NOx emissions			t	G4-EN21	4,291	3,894	4,126
Dust emissions			t	G4-EN21	45	53	56
Quantity of residues in the incineration fumes emitted			t	G4-EN23	299,317	278,946	207,920
Percentage of bottom ash recovered			%	G4-EN23	90	96	84
Quantity of electrical power generated ⁽¹⁾	x	xx	MWhe	G4-EN3	2,862,674	2,704,202	2,789,228
Quantity of thermal energy sold ⁽¹⁾	x	xx	MWth	G4-EN3	1,960,373	1,942,843	1,971,686
NON-HAZARDOUS WASTE STORAGE ACTIVITIES							
Number of landfill waste facilities (K1+K2+K3)			Number	G4-9	141	127	130
Tonnage entering non-hazardous waste landfills			t	G4-EN23	15,960,908	18,501,616	16,315,366
Volume of leachates treated			m ³	G4-9	3,084,549	3,107,766	3,490,151
Percentage of waste stored in landfills equipped with a biogas collection and treatment system			%	G4-EN23	94	74	82
Volume of methane collected and treated			Nm ³	G4-EN7	140,330,221	107,167,914	98,026,777
Volume of methane recovered as energy			Nm ³	G4-EN7	332,594,670	293,058,622	310,873,507
Quantity of electricity produced from biogas			MWhe	G4-EN3	830,182	919,918	919,427
ACTIVITIES RELATING TO THE TREATMENT OF HAZARDOUS WASTE							
Number of hazardous waste incinerators			Number	G4-9	9	9	9
Number of hazardous waste platforms (pre-treatment and transfer)			Number	G4-9	172	122	132
Number of hazardous waste landfills (K1 landfills)			Number	G4-9	16	16	17
Number of medical waste treatment facilities			Number	G4-9	7	7	5
Hazardous waste treated (total excluding contaminated soil)			t	G4-EN23	2,705,737	2,204,273	2,319,303
— of which recovered in cement plants			t	G4-EN23	482,776	411,566	410,141
— of which incinerated			t	G4-EN23	348,982	360,820	355,649
Tonnage of soil treated / recovered			t	G4-EN23	1,310,184	1,530,656	1,361,477
Quantity of alternative energy provided by recovery of waste in the form of fuels			tep	G4-EN3	244,327	283,445	206,973
Tonnage entering K1 landfills			t	G4-EN23	627,500	613,860	613,948
ACTIVITIES RELATING TO ELECTRICAL AND ELECTRONIC EQUIPMENT WASTE							
Number of sites treating end-of-life electrical and electronic equipment waste			Number	G4-9	10	9	9
Tonnage of end-of-life electrical and electronic equipment waste treated by material recovery and recycling activities (disassembly and dismantling)			t	G4-EN23	18,704	23,918	27,583
TOTAL							
Total waste treated			t	G4-EN23	44,403,767	40,587,456	40,776,345
% of products sold and of recycled or reused packaging			%	G4-EN28	No product sold is likely to be packaged		

* Perimeter: fully consolidated companies

(1) – Reasonable assurance for Waste Europe. • (2) – Reasonable assurance for Lyonnaise des Eaux + AGBAR + United Water + Lydec. • (3) – GHG included: CO₂ (non-biogenic), CH₄, N₂O