

Zeon Corporation		FY2011	FY2012	FY2013	FY2014	FY2015
Toxic substances	Butadiene consumption (tons)	346,224	334,270	337,787	334,962	355,326
	Butadiene emissions (tons)	4.0	3.9	3.3	3.7	2.7
	Acrylonitrile consumption (tons)	24,367	24,472	27,118	25,784	27,729
	Acrylonitrile emissions (tons)	13.0	13.6	11.7	11.9	5.5
Substances subject to PRTR law	Consumption (tons)	877,919	868,407	887,078	921,688	942,613
	Amount emitted (tons)	37.0	37.8	33.5	36.7	30.1
Industrial waste	Amount generated (before volume reduction) (tons)	131,566	129,156	139,141	156,502	144,832
	Amount generated (after volume reduction) (tons)	15,608	14,001	14,535	16,530	13,987
	Amount sent to landfill (tons)	4	11	1.3	6.5	3.5
Atmospheric emissions	CO ₂ emissions (tons)	564,545	498,451	517,803	506,348	552,940
	SO _x emissions (tons)	513	334	476	509	624
	NO _x emissions (tons)	375	336	272	241	253
	Soot emissions (tons)	8.3	6.5	4.3	2.8	11.4
	Leakage of CFCs (tons of CO ₂)	—	—	—	—	51.5
Water resources	Water resources consumption (1,000 m ³)	18,819	18,591	18,508	18,703	18,454
	Waterworks (1,000 m ³)	253	265	245	273	260
	Ground water (1,000 m ³)	0.0	0.0	0.0	0.0	0.0
	Industrial water (1,000 m ³)	18,597	18,326	18,264	18,431	18,195
Waste water	Total waste water discharge (1,000 m ³)	15,715	17,029	17,761	15,894	15,940
	COD emissions (tons)	136	127	129	119	119
	Total phosphorus discharge (tons)	2.1	2.1	2.4	1.6	1.6
	Total nitrogen discharge (tons)	149	176	158	167	142
Energy	Total consumption (crude oil equivalent, kL)	207,735	189,216	194,242	192,930	214,921
	Unit consumption (kL/t-PDR)	0.1510	0.1418	0.1363	0.1317	0.1424
	Unit consumption index (1990 = 100)	72%	68%	65%	63%	68%
Production of PDR equivalent (tons)		1,375,870	1,334,471	1,425,480	1,455,512	1,509,679
CO ₂ emissions Unit consumption index (1990 = 100)		77%	70%	68%	65%	68%

Zeon Corporation each worksites (0.0 = less than 0.05)

Takaoka Plant		FY2011	FY2012	FY2013	FY2014	FY2015
Substances subject to PRTR law	Consumption (tons)	223	125	16	21	17
	Amount emitted (tons)	0.2	0.1	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	4,730	4,882	12,494	8,794	7,309
	Amount generated (after volume reduction) (tons)	529	535	1,056	437	363
	Amount sent to landfill (tons)	0	3	0.0	0.0	0.0
Atmospheric emissions	CO ₂ emissions (tons)	20,132	23,329	22,546	20,825	20,964
	SO _x emissions (tons)	6.8	9.5	3.2	0.0	0.0
	NO _x emissions (tons)	15	19	13	2	2.5
	Soot emissions (tons)	0.7	0.0	0.0	0.0	0.0
	Leakage of CFCs (tons of CO ₂)	—	—	—	—	47.6
Water resources	Water resources consumption (1,000 m ³)	3,808	4,052	3,732	3,848	3,804
	Waterworks (1,000 m ³)	57	58	56	57	56
	Ground water (1,000 m ³)	0.0	0.0	0.0	0.0	0.0
	Industrial water (1,000 m ³)	3,750	3,993	3,676	3,791	3,748
Waste water	Total waste water discharge (1,000 m ³)	3,398	4,408	4,890	3,322	3,213
	COD emissions (tons)	13.0	14.3	18.9	12.7	12.6
	Total phosphorus discharge (tons)	0.7	0.5	0.8	0.3	0.3
	Total nitrogen discharge (tons)	16	19	20	14	14
Energy	Total consumption (crude oil equivalent, kL)	8,994	8,868	8,986	8,290	9,380
	Unit consumption index (1990 = 100)	96%	103%	104%	92%	102%
Production of PDR equivalent (tons)		4,866	4,295	4,433	4,617	4,617

Kawasaki Plant		FY2011	FY2012	FY2013	FY2014	FY2015
Toxic substances	Butadiene consumption (tons)	23,054	22,841	20,372	23,534	21,758
	Butadiene emissions (tons)	2.6	2.7	2.4	2.6	2.0
	Acrylonitrile consumption (tons)	10,670	10,872	9,653	11,405	10,746
	Acrylonitrile emissions (tons)	12	13	11	11	5
Substances subject to PRTR law	Consumption (tons)	46,186	44,709	40,203	45,847	43,954
	Amount emitted (tons)	26	26	26	26.8	21.4
Industrial waste	Amount generated (before volume reduction) (tons)	47,718	50,878	48,039	52,900	44,380
	Amount generated (after volume reduction) (tons)	5,383	5,037	4,024	4,401	3,412
	Amount sent to landfill (tons)	0.4	0.9	0.0	0.0	0.0
Atmospheric emissions	CO ₂ emissions (tons)	27,609	27,968	20,917	25,778	23,443
	SO _x emissions (tons)	0.1	0.1	0.2	0.1	0.3
	NO _x emissions (tons)	8	8	7.4	5.7	5.6
	Soot emissions (tons)	0.6	0.8	0.8	0.6	0.5
	Leakage of CFCs (tons of CO ₂)	—	—	—	—	0.0
Water resources	Water resources consumption (1,000 m ³)	2,963	3,313	3,092	3,657	3,241
	Waterworks (1,000 m ³)	32	35	39	40	47
	Ground water (1,000 m ³)	0.0	0.0	0.0	0.0	0.0
	Industrial water (1,000 m ³)	2,963	3,278	3,053	3,617	3,194
Waste water	Total waste water discharge (1,000 m ³)	1,793	1,904	2,031	2,185	2,265
	COD emissions (tons)	40	42	45	44	35
	Total phosphorus discharge (tons)	0.2	0.2	0.3	0.2	0.2
	Total nitrogen discharge (tons)	89	115	93	115	89
Energy	Total consumption (crude oil equivalent, kL)	16,220	16,552	14,406	14,700	13,355
	Unit consumption index (1990 = 100)	90%	91%	75%	84%	65%
Production of PDR equivalent (tons)		81,790	82,757	73,834	85,441	80,229

Tokuyama Plant		FY2011	FY2012	FY2013	FY2014	FY2015
Toxic substances	Butadiene consumption (tons)	186,784	181,275	206,710	170,327	195,538
	Butadiene emissions (tons)	1.4	1.2	0.8	1.1	0.7
	Acrylonitrile consumption (tons)	13,697	13,600	17,464	14,379	16,983
	Acrylonitrile emissions (tons)	0.6	0.6	0.6	0.7	0.6
Substances subject to PRTR law	Consumption (tons)	388,603	391,766	453,075	397,637	422,439
	Amount emitted (tons)	3.1	2.7	2.0	2.7	2.1
Industrial waste	Amount generated (before volume reduction) (tons)	18,718	16,939	19,201	24,063	23,163
	Amount generated (after volume reduction) (tons)	3,762	3,505	3,377	4,674	4,737
	Amount sent to landfill (tons)	0.0	0.0	0.0	0.0	0.0
Atmospheric emissions	CO ₂ emissions (tons)	248,294	239,609	279,750	237,362	263,215
	SO _x emissions (tons)	502	322	471	507	622
	NO _x emissions (tons)	272	243	205	179	191
	Soot emissions (tons)	7.7	5.7	3.5	2.2	10.9
	Leakage of CFCs (tons of CO ₂)	—	—	—	—	3.9
Water resources	Water resources consumption (1,000 m ³)	9,482	8,788	8,927	8,393	8,812
	Waterworks (1,000 m ³)	63	63	45	50	52
	Ground water (1,000 m ³)	0.0	0.0	0.0	0.0	0.0
	Industrial water (1,000 m ³)	9,419	8,725	8,882	8,344	8,760
Waste water	Total waste water discharge (1,000 m ³)	7,884	8,288	8,165	7,785	8,051
	COD emissions (tons)	69	58	49	42	57
	Total phosphorus discharge (tons)	0.6	0.6	0.7	0.6	0.8
	Total nitrogen discharge (tons)	27	27	28	27	28
Energy	Total consumption (crude oil equivalent, kL)	90,955	90,648	103,000	92,423	104,326
	Unit consumption index (1990 = 100)	99%	102%	99%	106%	106%
Production of PDR equivalent (tons)		498,167	487,782	573,961	477,797	531,865

Mizushima Plant		FY2011	FY2012	FY2013	FY2014	FY2015
Toxic substances	Butadiene consumption (tons)	136,385	130,154	110,704	141,100	138,029
	Butadiene emissions (tons)	0.0	0.0	0.0	0.0	0.0
Substances subject to PRTR law	Consumption (tons)	442,900	431,800	393,777	478,178	476,200
	Amount emitted (tons)	4.4	4.6	5.3	6.0	6.5
Industrial waste	Amount generated (before volume reduction) (tons)	60,400	56,270	59,253	70,584	69,824
	Amount generated (after volume reduction) (tons)	5,935	4,830	5,999	6,956	5,418
	Amount sent to landfill (tons)	3.7	5.4	1.3	6.5	3.5
Atmospheric emissions	CO ₂ emissions (tons)	259,651	197,855	182,800	211,420	235,360
	SO _x emissions (tons)	3.8	2.7	1.2	1.4	1.1
	NO _x emissions (tons)	80	66	47	54	54
	Soot emissions (tons)	0.0	0.0	0.0	0.0	0.0
	Leakage of CFCs (tons of CO ₂)	—	—	—	—	0.0
Water resources	Water resources consumption (1,000 m ³)	2,481	2,351	2,665	2,713	2,510
	Waterworks (1,000 m ³)	57	64	66	88	66
	Ground water (1,000 m ³)	0.0	0.0	0.0	0.0	0.0
	Industrial water (1,000 m ³)	2,424	2,287	2,599	2,625	2,444
Waste water	Total waste water discharge (1,000 m ³)	2,640	2,429	2,674	2,602	2,411
	COD emissions (tons)	15	13	17	20	15
	Total phosphorus discharge (tons)	0.6	0.7	0.6	0.5	0.4
	Total nitrogen discharge (tons)	16	15	17	12	12
Energy	Total consumption (crude oil equivalent, kL)	91,566	73,148	67,850	77,517	87,860
	Unit consumption index (1990 = 100)	56%	46%	41%	40%	45%
Production of PDR equivalent (tons)		731,500	705,400	714,800	840,400	834,400

R&D Center		FY2011	FY2012	FY2013	FY2014	FY2015
Toxic substances	Butadiene consumption (tons)	1	0	1.09	0.80	0.72
	Butadiene emissions (tons)	0.03	0.01	0.05	0.03	0.03
	Acrylonitrile consumption (tons)	0.29	0.14	0.39	0.24	0.26
	Acrylonitrile emissions (tons)	0.0	0.0	0.0	0.0	0.0
Substances subject to PRTR law	Consumption (tons)	7.7	7.0	7.3	5.4	3.9
	Amount emitted (tons)	3.4	4.8	0.1	0.1	0.1
Industrial waste	Amount generated (before volume reduction) (tons)	—	187	154	160	157
	Amount generated (after volume reduction) (tons)	—	94	79	62	57
	Amount sent to landfill (tons)	0.0	1.3	0.0	0.0	0.0
Atmospheric emissions	CO ₂ emissions (tons)	8,859	9,690	11,790	10,963	9,958
	Leakage of CFCs (tons of CO ₂)	—	—	—	—	0.0
Water resources	Water resources consumption (1,000 m ³)	85	88	93	92	88
	Waterworks (1,000 m ³)	44	45	38	37	38
	Ground water (1,000 m ³)	0.0	0.0	0.0	0.0	0.0
	Industrial water (1,000 m ³)	41	43	54	55	50
Energy	Total consumption (crude oil equivalent, kL)	4,806	5,255	6,091	5,720	5,236

Head Office		FY2011	FY2012	FY2013	FY2014	FY2015
Atmospheric emissions	CO ₂ emissions (tons)	333	336	338	287	285
	Leakage of CFCs (tons of CO ₂)	—	—	—	—	0.0
Water resources (Waterworks) consumption (1,000 m ³)		1.40	1.56	1.44	1.31	1.18
Energy	Total consumption (crude oil equivalent, kL)	215	222	205	182	180

Zeon Group (Japan) (0 = less than 0.5, 0.0 = less than 0.05)

Zeon Group (Japan)		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	62	62	65	62	59
	Consumption (tons)	2,125	1,961	1,801	1,924	1,710
	Amount emitted (tons)	2.7	2.1	2.1	2.1	2.4
Industrial waste	Amount generated (before volume reduction) (tons)	1,914	1,996	2,608	6,235	2,358
	Amount sent to landfill (tons)	42.1	26.7	11.2	10.6	5.9
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		151	143	143	163	163
CO ₂ emissions (tons)		18,046	19,382	37,937	44,552	48,474
Energy consumption (crude oil equivalent, kL)		15,132	15,630	17,926	18,454	19,696
Electric energy consumption (1000 kWh)		—	—	63,773	67,294	72,785

Zeon Kasei Co., Ltd. Ibaraki Factory		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	7	8	7	6	6
	Consumption (tons)	61	40	35	49	15
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	529	446	478	389	258
	Amount sent to landfill (tons)	0.0	0.0	0.0	0.0	0.0
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		41	30	29	19	18
CO ₂ emissions (tons)		3,845	3,283	3,723	3,468	2,768
Energy consumption (crude oil equivalent, kL)		2,191	1,807	1,875	1,545	1,265
Electric energy consumption (1000 kWh)		—	—	5,032	3,869	2,906

Zeon Kasei Co., Ltd. Yamaguchi Factory		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	3	3	3	3	3
	Consumption (tons)	0.0	0.0	0.0	0.0	0.2
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.2
Industrial waste	Amount generated (before volume reduction) (tons)	91	57	91	151	63
	Amount sent to landfill (tons)	0.0	0.0	0.0	0.0	0.0
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		0.2	0.2	0.3	0.0	0.0
CO ₂ emissions (tons)		412	416	410	460	367
Energy consumption (crude oil equivalent, kL)		147	151	155	166	134
Electric energy consumption (1000 kWh)		—	—	459	591	482

Zeon Polymix Inc. Otsu Plant		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	5	5	5	5	4
	Consumption (tons)	165	146	122	113	125
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	171	155	148	160	184
	Amount sent to landfill (tons)	4	0	0.0	0.0	0.0
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		45	50	49	48	48
CO ₂ emissions (tons)		1,938	2,631	2,740	2,860	3,159
Energy consumption (crude oil equivalent, kL)		1,573	1,534	1,416	1,388	1,495
Electric energy consumption (1000 kWh)		—	—	5,260	5,321	5,877

Zeon Medical Inc.		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	1	1	1	1	1
	Consumption (tons)	2.2	1.6	1.6	1.6	1.6
	Amount emitted (tons)	2.2	1.6	1.6	1.6	1.6
Industrial waste	Amount generated (before volume reduction) (tons)	22	10	9	10	8
	Amount sent to landfill (tons)	11.2	5.0	4.3	4.5	0.4
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		11.7	14.3	17.8	21.9	13.5
CO ₂ emissions (tons)		969	1,143	1,123	1,003	920
Energy consumption (crude oil equivalent, kL)		431	511	539	401	364
Electric energy consumption (1000 kWh)		—	—	*	*	*
		*Included in Takaoka Plant				

Zeon North Co., Ltd.		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	0	0	0	0	0
	Consumption (tons)	0.0	0.0	0.0	0.0	0.0
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	38	25	20	17	14
	Amount sent to landfill (tons)	5.0	5.2	3.1	4.2	2.5
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		—	—	—	2.0	1.5
CO ₂ emissions (tons)		160	152	146	161	159
Energy consumption (crude oil equivalent, kL)		80	85	85	92	103
Electric energy consumption (1000 kWh)		—	—	—	384	366

RIMTEC Corporation		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	0	0	0	0	0
	Consumption (tons)	0.0	0.0	0.0	0.0	0.0
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	29	52	49	23	31
	Amount sent to landfill (tons)	3.4	15.2	2.4	1.3	0.0
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		4.4	3.6	2.2	1.5	1.5
CO ₂ emissions (tons)		167	188	160	110	103
Energy consumption (crude oil equivalent, kL)		145	160	138	90	89
Electric energy consumption (1000 kWh)		—	—	—	—	—

Zeon Yamaguchi Co., Ltd.		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	40	40	40	40	40
	Consumption (tons)	0.0	0.0	0.0	0.0	0.0
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	135	207	225	4,018	171
	Amount sent to landfill (tons)	18.2	1.4	0.8	0.0	0.0
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		0.2	0.3	0.2	0.2	0.2
CO ₂ emissions (tons)		11	11	12	11	12
Energy consumption (crude oil equivalent, kL)		6	5	5	5	6
Electric energy consumption (1000 kWh)		—	—	53	21	23

Zeon Chemicals Yonezawa Co., Ltd.		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	5	4	7	5	3
	Consumption (tons)	1,897	1,773	1,642	1,759	1,567
	Amount emitted (tons)	0.5	0.5	0.5	0.5	0.6
Industrial waste	Amount generated (before volume reduction) (tons)	186	187	202	206	182
	Amount sent to landfill (tons)	0.4	0.0	0.0	0.0	0.0
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		14	10	9	14	12
CO ₂ emissions (tons)		940	1,017	1,151	1,421	1,815
Energy consumption (crude oil equivalent, kL)		505	439	490	591	762
Electric energy consumption (1000 kWh)		—	—	1,202	1,458	2,050

Optes Inc. Sano Plant		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	1	1	1	1	1
	Consumption (tons)	0.0	0.0	0.0	0.0	0.0
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	6	7	10	8	6
	Amount sent to landfill (tons)	0.0	0.0	0.6	0.4	0.0
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		4	5	6	6	4
CO ₂ emissions (tons)		1,105	919	989	862	673
Energy consumption (crude oil equivalent, kL)		664	625	674	564	439
Electric energy consumption (1000 kWh) *Included in Hokuriku Plant		—	—	*	2,274	1,767

Optes Inc. Hokuriku Plant		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	0	0	1	1	1
	Consumption (tons)	0	0	1	1	1.1
	Amount emitted (tons)	0.0	0.0	0.0	0.0	0.0
Industrial waste	Amount generated (before volume reduction) (tons)	707	849	1,377	1,254	1,443
	Amount sent to landfill (tons)	0.0	0.0	0.0	0.3	0.1
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		31	29	29	52	66
CO ₂ emissions (tons)		8,499	9,622	27,483	34,196	38,498
Energy consumption (crude oil equivalent, kL)		9,390	10,313	12,549	13,612	15,039
Electric energy consumption (1000 kWh)		—	—	51,767	53,376	59,314

TFC Inc.		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	—	—	—	1	1
	Consumption (tons)	—	—	—	1	0.5
	Amount emitted (tons)	—	—	—	1	0.5
Industrial waste	Amount generated (before volume reduction) (tons)	—	—	—	94	83
	Amount sent to landfill (tons)	—	—	—	3.1	2.9
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		—	—	—	4	5
CO ₂ emissions (tons)		—	—	—	6,761	6,282
Energy consumption (crude oil equivalent, kL)		—	—	—	2,660	2,513
Electric energy consumption (1000 kWh)		—	—	—	7,449	7,106

Zeon Group (Overseas)

Zeon Group (Overseas)		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	13	13	13	15	10
	Consumption (tons)	34,201	30,380	29,080	51,496	19,674
	Amount emitted (tons)	119	79	74	91	82
Industrial waste	Amount generated (before volume reduction) (tons)	4,132	3,363	3,769	4,168	3,643
	Amount sent to landfill (tons)	2,666	2,580	2,807	2,916	2,429
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		—	1,792	1,877	2,381	1,786
CO ₂ emissions (tons)		87,763	83,884	84,538	124,922	122,219
Energy consumption (crude oil equivalent, kL)		33,530	32,215	32,072	49,709	47,501

Zeon Chemicals L.P. (USA): Kentucky		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	8	8	8	7	7
	Consumption (tons)	18,189	16,260	14,927	16,202	15,376
	Amount emitted (tons)	43	28	20	10	21
Industrial waste	Amount generated (before volume reduction) (tons)	720	572	505	344	532
	Amount sent to landfill (tons)	689	552	478	332	526
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		1,080	965	957	1,014	685
CO ₂ emissions (tons)		34,755	32,217	31,741	33,570	32,329
Energy consumption (crude oil equivalent, kL)		11,048	10,136	9,820	11,017	10,323

Zeon Chemicals L.P. (USA): Texas		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	0	0	0	0	0
	Consumption (tons)	0	0	0	0	0
	Amount emitted (tons)	0	0	0	0	0
Industrial waste	Amount generated (before volume reduction) (tons)	39	32	47	36	41
	Amount sent to landfill (tons)	1.0	1.2	2.2	3.0	1.6
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		198	234	226	252	188
CO ₂ emissions (tons)		10,325	9,965	10,059	10,712	10,520
Energy consumption (crude oil equivalent, kL)		3,065	2,945	2,940	3,150	3,099

Zeon Chemicals L.P. (USA): Mississippi		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	3	3	3	3	3
	Consumption (tons)	5,160	4,444	4,933	5,125	4,298
	Amount emitted (tons)	70	47	48	71	61
Industrial waste	Amount generated (before volume reduction) (tons)	41	22	44	42	97
	Amount sent to landfill (tons)	41	22	44	42	97
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		152	134	142	132	166
CO ₂ emissions (tons)		19,256	17,925	17,133	16,045	14,777
Energy consumption (crude oil equivalent, kL)		8,157	7,514	7,122	6,452	5,999

Zeon Chemicals Europe Ltd. (UK)		FY2011	FY2012	FY2013	FY2014	FY2015
Substances covered by PRTR law	Number of substances	2	2	2	2	—
	Consumption (tons)	10,852	9,676	9,220	9,272	—
	Amount emitted (tons)	6.0	4.4	5.6	7.6	—
Industrial waste	Amount generated (before volume reduction) (tons)	680	1,116	1,028	995	—
	Amount sent to landfill (tons)	644	1,069	1,020	991	—
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		303	245	268	245	—
CO ₂ emissions (tons)		12,597	11,379	11,412	11,352	—
Energy consumption (crude oil equivalent, kL)		6,619	6,302	6,018	5,869	—

Zeon Advanced Polymix Co., Ltd		FY2011	FY2012	FY2013	FY2014	FY2015
Industrial waste	Amount generated (before volume reduction) (tons)	1,216	427	235	199	150
	Amount sent to landfill (tons)	241	0	0	0	0
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		30	32	32	32	41
CO ₂ emissions (tons)		6,220	7,270	6,090	5,574	6,090
Energy consumption (crude oil equivalent, kL)		2,807	3,277	2,948	2,269	2,896

Zeon Chemicals Thailand Co., Ltd.		FY2011	FY2012	FY2013	FY2014	FY2015
Industrial waste	Amount generated (before volume reduction) (tons)	1,436	1,194	1,910	2,552	2,823
	Amount sent to landfill (tons)	1,050	936	1,263	1,548	1,804
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		213	182	252	316	304
CO ₂ emissions (tons)		4,610	5,128	8,103	8,488	14,970
Energy consumption (crude oil equivalent, kL)		1,834	2,041	3,224	3,377	5,957

Zeon Chemicals Singapore Pte. Ltd.		FY2011	FY2012	FY2013	FY2014	FY2015
Industrial waste	Amount generated (before volume reduction) (tons)	–	–	–	0	0
	Amount sent to landfill (tons)	–	–	–	0	0
Water resources (Industrial water + Ground water + Waterworks) consumption(1,000 m ³)		–	–	–	312	402
CO ₂ emissions (tons)		–	–	–	39,181	43,533
Energy consumption (crude oil equivalent, kL)		–	–	–	17,575	19,227