

Environmental Performance Data

Changes

NOF Group

Item	Unit	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Production volume	[thousand tons]	243	242	245	266	267	259	229	249	226	209
Total energy input	[thousand GJ]	3,461	3,444	3,431	3,464	3,477	3,330	3,247	3,377	3,112	2,909
Total substance input	[thousand tons]	259	263	267	280	273	253	231	261	236	248
Water resource input	[thousand m ³]	7,900	7,987	8,240	8,131	8,061	8,232	8,319	8,420	8,498	8,358
Greenhouse gas emissions	[thousand tons of CO ₂]	206	195	202	207	205	196	187	189	175	159
SOx emissions	[tons]	7	8	9	7	7	6	4	5	7	8
NOx emissions	[tons]	89	62	93	65	64	55	57	55	55	58
Soot and dust emissions	[tons]	3	3	5	4	5	5	8	4	5	3
BOD emissions	[tons]	127	105	79	160	69	74	104	93	67	74
COD emissions	[tons]	278	318	225	314	302	441	219	154	148	171
Suspended solid emissions	[tons]	35	41	39	32	50	37	40	36	25	58
Waste quantity from plants	[tons]	24,024	24,719	25,567	27,947	30,161	28,446	28,955	29,164	25,157	22,541
Internally recycled quantity	[tons]	5,100	3,929	1,177	1,190	955	1,182	1,165	953	914	976
Externally recycled amount	[tons]	14,309	14,704	17,055	17,645	19,253	16,426	17,808	17,687	16,547	14,444
Final disposal quantity by landfill	[tons]	1,157	1,260	1,333	1,168	1,046	1,302	1,588	950	1,092	617
Emissions of PRTR Act-controlled substances	[tons]	232	187	170	167	177	158	147	155	143	167

Environmental Performance Data

Domestic Group

Item	Unit	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Production volume	[thousand tons]	214	217	219	231	232	225	194	210	188	179
Total energy input	[thousand GJ]	3,039	3,016	3,018	2,987	3,004	2,917	2,810	2,892	2,699	2,570
Total substance input	[thousand tons]	259	263	267	280	273	253	231	261	236	217
Water resource input	[thousand m ³]	6,396	6,389	6,560	6,374	6,352	6,376	6,435	6,448	6,535	6,484
Greenhouse gas emissions	[thousand tons of CO ₂]	184	182	181	173	172	169	158	159	144	135
SOx emissions	[tons]	6	7	9	6	6	5	3	3	4	6
NOx emissions	[tons]	87	60	90	62	60	52	53	50	51	54
Soot and dust emissions	[tons]	3	3	4	3	2	1	2	1	1	1
BOD emissions	[tons]	32	39	28	40	43	33	38	52	39	36
COD emissions	[tons]	61	78	68	73	66	60	60	68	44	52
Suspended solid emissions	[tons]	35	41	39	32	50	37	40	36	25	42
Waste quantity from plants	[tons]	19,966	20,508	21,351	23,466	25,976	23,662	24,176	23,796	21,270	19,132
Internally recycled quantity	[tons]	5,100	3,929	1,177	1,190	955	1,182	1,165	953	914	976
Externally recycled amount	[tons]	14,011	14,576	16,696	17,267	18,676	16,002	17,320	17,138	15,916	13,511
Final disposal quantity by landfill	[tons]	159	111	157	117	95	81	681	135	61	69
Emissions of PRTR Act-controlled substances	[tons]	232	187	170	167	177	158	147	155	143	167

NOF

Item	Unit	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Production volume	[thousand tons]	193	198	200	211	211	205	178	191	170	162
Total energy input	[thousand GJ]	2,751	2,753	2,739	2,728	2,753	2,673	2,572	2,658	2,471	2,358
Total substance input	[thousand tons]	236	243	248	259	253	233	214	244	218	202
Water resource input	[thousand m ³]	5,760	5,838	5,967	5,879	5,843	5,832	5,874	5,889	6,007	5,988
Greenhouse gas emissions	[thousand tons of CO ₂]	166	166	164	158	157	155	145	146	131	123
SOx emissions	[tons]	2	3	4	3	3	3	1	2	3	5
NOx emissions	[tons]	85	58	88	59	58	50	51	48	49	53
Soot and dust emissions	[tons]	1	2	2	2	2	1	2	1	1	1
BOD emissions	[tons]	29	35	25	37	39	30	34	50	37	33
COD emissions	[tons]	60	78	68	72	65	60	60	67	44	52
Suspended solid emissions	[tons]	29	33	31	25	35	31	33	31	22	36
Waste quantity from plants	[tons]	19,156	19,716	20,350	22,372	25,061	22,721	22,529	22,822	20,493	18,463
Internally recycled quantity	[tons]	5,100	3,929	1,177	1,190	955	1,182	1,165	953	914	976
Externally recycled amount	[tons]	13,466	14,017	16,132	16,355	17,965	15,235	16,489	16,374	15,242	12,939
Final disposal quantity by landfill	[tons]	55	60	66	61	60	50	40	54	37	48
Emissions of PRTR Act-controlled substances	[tons]	188	143	123	121	127	118	111	117	109	129