



Environmental Performance Data | Changes

GRI

301-1,2,3/302-1,3,4/
303-1,3,4/305-7/306-1,3,4,5

NOF Group

Item	Unit	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Production volume	[thousand tons]	242	245	266	267	259	229	249	226	209	210
Total energy input	[thousand GJ]	3,444	3,431	3,464	3,477	3,330	3,247	3,377	3,112	2,909	2,903
Renewable energy input*	[thousand GJ]	-	-	-	-	-	-	-	-	640	390
Non-renewable energy input*	[thousand GJ]	-	-	-	-	-	-	-	-	2,269	2,513
Total substance input	[thousand tons]	263	267	280	273	253	231	261	236	248	226
Water resource input	[thousand m ³]	7,385	7,621	7,475	7,476	7,627	7,699	7,834	7,964	7,833	7,886
Greenhouse gas emissions	[thousand tons of CO ₂]	195	202	207	205	196	187	189	175	159	151
SOx emissions	[tons]	8	9	7	7	6	4	5	7	8	5
NOx emissions	[tons]	62	93	65	64	55	57	55	55	58	46
Soot and dust emissions	[tons]	3	5	4	5	5	8	4	5	3	4
VOC emissions	[tons]	-	-	-	-	-	-	-	-	-	190
Emissions of hazardous air pollutants	[tons]	-	-	-	-	-	-	-	-	-	89
BOD emissions	[tons]	105	79	160	69	74	104	93	67	74	58
COD emissions	[tons]	318	225	314	302	441	219	154	148	171	153
Suspended solid emissions	[tons]	41	39	32	50	37	40	36	25	58	43
Waste quantity from plants	[tons]	24,719	25,567	27,947	30,161	28,446	28,955	29,164	25,157	22,542	24,298
Internally recycled quantity	[tons]	3,929	1,177	1,190	955	1,182	1,165	953	914	976	840
Externally recycled amount	[tons]	14,704	17,055	17,645	19,253	16,426	17,808	17,687	16,547	14,444	15,555
Final disposal quantity by landfill	[tons]	1,260	1,333	1,168	1,046	1,302	1,588	950	1,092	617	1,058
Hazardous waste volume	[tons]	-	-	-	-	-	-	-	-	-	23
Emissions of PRTR Act-controlled substances	[tons]	187	170	167	177	158	147	155	143	167	135

*Data collection began in FY2023.



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301-1,2,3/302-1,3,4/
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Domestic Group

Item	Unit	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Production volume	[thousand tons]	217	219	231	232	225	194	210	188	179	181
Total energy input	[thousand GJ]	3,016	3,018	2,987	3,004	2,917	2,810	2,892	2,699	2,570	2,543
Renewable energy input*	[thousand GJ]	-	-	-	-	-	-	-	-	339	328
Non-renewable energy input*	[thousand GJ]	-	-	-	-	-	-	-	-	2,231	2,215
Total substance input	[thousand tons]	263	267	280	273	253	231	261	236	217	196
Water resource input	[thousand m ³]	5,787	5,941	5,718	5,767	5,771	5,815	5,862	6,001	5,959	5,892
Greenhouse gas emissions	[thousand tons of CO ₂]	182	181	173	172	169	158	159	144	135	133
SOx emissions	[tons]	7	9	6	6	5	3	3	4	6	3
NOx emissions	[tons]	60	90	62	60	52	53	50	51	54	41
Soot and dust emissions	[tons]	3	4	3	2	1	2	1	1	1	1
VOC emissions	[tons]	-	-	-	-	-	-	-	-	-	190
Emissions of hazardous air pollutants	[tons]	-	-	-	-	-	-	-	-	-	89
BOD emissions	[tons]	39	28	40	43	33	38	52	39	36	25
COD emissions	[tons]	78	68	73	66	60	60	68	44	52	55
Suspended solid emissions	[tons]	41	39	32	50	37	40	36	25	42	31
Waste quantity from plants	[tons]	20,508	21,351	23,466	25,976	23,662	24,176	23,796	21,270	19,300	20,979
Internally recycled quantity	[tons]	3,929	1,177	1,190	955	1,182	1,165	953	914	976	840
Externally recycled amount	[tons]	14,576	16,696	17,267	18,676	16,002	17,320	17,138	15,916	13,679	14,605
Final disposal quantity by landfill	[tons]	111	157	117	95	81	681	135	61	69	72
Hazardous waste volume	[tons]	-	-	-	-	-	-	-	-	-	23
Emissions of PRTR Act-controlled substances	[tons]	187	170	167	177	158	147	155	143	167	135

*Data collection began in FY2023.



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301-1,2,3/302-1,3,4/
303-1,3,4/305-7/306-1,3,4,5

NOF

Item	Unit	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Production volume	[thousand tons]	198	200	211	211	205	178	191	170	162	164
Total energy input	[thousand GJ]	2,753	2,739	2,728	2,753	2,673	2,572	2,658	2,471	2,358	2,315
Renewable energy input*	[thousand GJ]	-	-	-	-	-	-	-	-	327	312
Non-renewable energy input*	[thousand GJ]	-	-	-	-	-	-	-	-	2,031	2,003
Total substance input	[thousand tons]	243	248	259	253	233	214	244	218	202	181
Water resource input	[thousand m³]	5,236	5,348	5,223	5,258	5,227	5,254	5,303	5,473	5,463	5,350
Greenhouse gas emissions	[thousand tons of CO ₂]	166	164	158	157	155	145	146	131	123	120
SOx emissions	[tons]	3	4	3	3	3	1	2	3	5	2
NOx emissions	[tons]	58	88	59	58	50	51	48	49	53	41
Soot and dust emissions	[tons]	2	2	2	2	1	2	1	1	1	1
VOC emissions	[tons]	-	-	-	-	-	-	-	-	-	143
Emissions of hazardous air pollutants	[tons]	-	-	-	-	-	-	-	-	-	57
BOD emissions	[tons]	35	25	37	39	30	34	50	37	33	24
COD emissions	[tons]	78	68	72	65	60	60	67	44	52	55
Suspended solid emissions	[tons]	33	31	25	35	31	33	31	22	36	26
Waste quantity from plants	[tons]	19,716	20,350	22,372	25,061	22,721	22,529	22,822	20,493	18,464	20,222
Internally recycled quantity	[tons]	3,929	1,177	1,190	955	1,182	1,165	953	914	976	840
Externally recycled amount	[tons]	14,017	16,132	16,355	17,965	15,235	16,489	16,374	15,242	12,939	13,935
Final disposal quantity by landfill	[tons]	60	66	61	60	50	40	54	37	48	65
Hazardous waste volume	[tons]	-	-	-	-	-	-	-	-	-	21
Emissions of PRTR Act-controlled substances	[tons]	143	123	121	127	118	111	117	109	129	100

*Data collection began in FY2023.



Environmental Performance Data

Fiscal 2024 Performance by Organizational Unit

GRI

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NOF's plants and works

Item	Unit	Amagasaki Plant	Kawasaki Works	Oita Plant	Aichi Works	NOF, etc.
Production volume	[thousand tons]	75.6	50.0	22.9	15.4	-
Total energy input	[thousand GJ]	965	573	251	517	9.0
Total substance input	[thousand tons]	62.1	52.7	36.6	29.2	-
Raw materials	[thousand tons]	58.5	49.6	35.5	27.8	0.0
Containers and packing materials	[thousand tons]	3.5	3.1	1.1	1.4	0.0
Water resource input	[thousand m ³]	2,727.8	750.8	425.3	1,443.9	1.9
Greenhouse gas emissions	[thousand tons of CO ₂]	53.5	17.1	14.6	34.7	0.3
SOx emissions	[tons]	0.0	0.0	0.1	2.0	-
NOx emissions	[tons]	28.7	3.4	4.4	4.1	-
COD emissions	[tons]	17.5	1.7	4.6	31.4	-
Waste quantity from plants	[tons]	9,986.9	4,278.0	513.6	5,433.0	10.2
Internally recycled quantity	[tons]	0.0	0.0	0.0	840.0	0.0
Externally recycled amount	[tons]	7,421.6	4,192.6	83.9	2,226.9	9.8
Final disposal quantity by landfill	[tons]	42.0	1.8	0.0	21.1	0.3
Emissions of PRTR Act-controlled substances	[tons]	30.3	44.2	7.7	17.6	0.0



Environmental Performance Data

Fiscal 2024 Performance by Organizational Unit

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Companies of the NOF Group

Item	Unit	Nippon Koki's Shirakawa Plant	NiGK Corporation	Showa Kinzoku Kogyo Co., Ltd.	Nippon Koki Co., Ltd. Bibai (formerly HOKKAIDO NOF CORPORATION)	Nippo Kogyo Co., Ltd.	YUKA SANGYO CO., LTD.
Production volume	[thousand tons]	2.0	1.9	0.2	2.2	0.0	2.0
Total energy input	[thousand GJ]	109.8	24.1	10.0	36.3	2.4	1.4
Total substance input	[thousand tons]	3.1	2.1	0.3	4.6	0.0	1.0
Raw materials	[thousand tons]	2.5	2.1	0.3	4.5	0.0	0.7
Containers and packing materials	[thousand tons]	0.5	0.0	0.0	0.0	0.0	0.3
Water resource input	[thousand m ³]	450.0	10.8	10.9	20.2	1.7	4.6
Greenhouse gas emissions	[thousand tons of CO ₂]	6.4	1.4	0.5	2.4	0.1	0.1
SOx emissions	[tons]	0.0	0.0	0.0	1.3	0.0	0.0
NOx emissions	[tons]	0.0	0.0	0.0	0.0	0.0	0.0
COD emissions	[tons]	0.0	0.0	0.0	0.0	0.0	0.0
Waste quantity from plants	[tons]	145.5	87.3	93.8	85.5	11.0	84.2
Internally recycled quantity	[tons]	0.0	0.0	0.0	0.0	0.0	0.0
Externally recycled amount	[tons]	143.9	87.3	71.6	52.6	8.1	84.2
Final disposal quantity by landfill	[tons]	1.6	0.0	2.4	1.9	1.0	0.0
Emissions of PRTR Act-controlled substances	[tons]	4.5	2.0	0.1	0.0	0.0	0.6

Item	Unit	Nichiyu Kogyo Co., Ltd.	NOF METAL COATINGS ASIA PACIFIC CO., LTD.	NIKKA COATING CO., LTD.	NICHIYU LOGISTICS CO., LTD.	Other domestic total	Overseas total
Production volume	[thousand tons]	1.8	2.9	2.6	-	1.4	28.8
Total energy input	[thousand GJ]	7.4	7.5	11.8	6.4	11.2	359.8
Total substance input	[thousand tons]	1.7	2.3	-	-	-	30.3
Raw materials	[thousand tons]	1.6	1.8	-	-	-	28.8
Containers and packing materials	[thousand tons]	0.1	0.5	-	-	-	0.0
Water resource input	[thousand m ³]	35.0	8.8	0.8	-	-	1,993.4
Greenhouse gas emissions	[thousand tons of CO ₂]	0.4	0.0	0.4	0.4	0.6	18.1
SOx emissions	[tons]	0.0	0.0	0.0	-	-	1.2
NOx emissions	[tons]	0.5	0.0	0.0	-	-	4.7
COD emissions	[tons]	0.1	0.0	0.0	-	-	97.8
Waste quantity from plants	[tons]	20.1	176.8	53.5	-	-	3,318.2
Internally recycled quantity	[tons]	0.0	0.0	0.0	-	-	0.0
Externally recycled amount	[tons]	20.1	176.2	26.3	-	-	950.0
Final disposal quantity by landfill	[tons]	0.0	0.0	0.0	-	-	986.3
Emissions of PRTR Act-controlled substances	[tons]	0.0	0.0	27.9	-	-	-