

環境
Environment

地球温暖化/気候変動対策
Fighting Global Warming and Climate Change

項目 Category		対象範囲 Scope of coverage	単位 Unit	FY2017	FY2018	FY2019	FY2020
エネルギー使用量 Energy usage	エネルギー使用量 (合計) Total energy usage	NSKグループ NSK Group	TJ	7,864	7,965	7,330	6,845
	燃料・ガス Fuel and gas		TJ	2,425	2,456	2,295	2,079
	電力・熱 Electricity and heat		TJ	5,439	5,509	5,035	4,767
	(参考)電力・熱 一次エネルギー換算*1 (Reference) Primary energy of electricity and heat*1		TJ	14,747	14,815	13,577	12,860
温室効果ガス排出量 Greenhouse gas emissions	温室効果ガス排出量 (スコープ1、スコープ2合計) GHG emissions (Total for Scope 1 and Scope 2)	NSKグループ NSK Group	千t-CO2e × 10 ³ t-CO _{2e}	1,019	998	839	701
	スコープ1 Scope 1		千t-CO2e × 10 ³ t-CO _{2e}	143	142	132	120
	スコープ2 Scope 2		千t-CO2e × 10 ³ t-CO _{2e}	876	856	708	581

*1 当社が購入する電力・熱使用量に相当する熱供給会社の一次エネルギー投入量。
Primary energy input of energy companies that corresponds to the NSK Group's purchased electricity and heat.

省資源・リサイクル対策
Resource Conservation and Recycling Measures

項目 Category		対象範囲 Scope of coverage	単位 Unit	FY2017	FY2018	FY2019	FY2020
水使用量 Water consumption	水使用量 (合計) Total water withdrawal	NSKグループ NSK Group	千m ³ × 10 ³ m ³	4,713	4,700	4,308	3,977
	地下水 Groundwater		千m ³ × 10 ³ m ³	1,869	2,011	1,789	1,659
	上水 General water		千m ³ × 10 ³ m ³	2,325	2,194	2,028	1,922
	工業用水 Industrial water		千m ³ × 10 ³ m ³	519	495	490	396
	水ストレス地域の水使用量 (内訳) Water withdrawal in water-stressed regions (breakdown)		千m ³ × 10 ³ m ³	159	83	19	13
廃棄物等排出量 Waste and valuables	廃棄物等排出量 (合計) Total waste and valuables	NSKグループ NSK Group	千t × 10 ³ t	223.5	227.8	200.2	181.9
	有害廃棄物(廃棄物内訳) Hazardous waste (breakdown of waste)		千t × 10 ³ t	18.6	18.9	17.0	16.3
	リサイクル率 Recycle ratio	NSKグループ	%	98.6	98.4	98.6	98.9

環境負荷物質対策
Reducing Use of Environmentally Harmful Substances

項目 Category		対象範囲 Scope of coverage	単位 Unit	FY2017	FY2018	FY2019	FY2020
環境負荷物質対策 Reducing use of environmentally harmful substances	VOC排出量 Emissions of VOCs	NSKグループ (生産事業所) NSK Group (production sites)	t	154	151	145 ^{*2}	140
水質保全 Protecting water quality	排水量(合計) Discharged (total)	NSKグループ NSK Group	千m ³ × 10 ³ m ³	3,040	3,159	2,847	2,519
	河川排水量 Rivers		千m ³ × 10 ³ m ³	453	729	591	575
	下水道排水量 Sewage system		千m ³ × 10 ³ m ³	2,587	2,430	2,256	1,944

*2 精度向上のため修正しました。
Revised to improve accuracy.

生物多様性保全活動：取り組み件数（日本）

Biodiversity Conservation Activities: Number of Initiatives (Japan)

項目 Category	対象範囲 Scope of coverage	単位 Unit	FY2017	FY2018	FY2019	FY2020
生物多様性保全の取り組み活動 (日本) 目標：新規1件/年 Biodiversity conservation initiatives (Japan) Target: 1 new initiative/year	実施件数（合計） Initiatives implemented (total)	件 Initiatives	3	6	6	3
	前年度までの取り組み*3 Initiatives in previous fiscal years*3	国内 グループ Group in Japan	3	4	5	3
	当該年度の新規取り組み New initiatives in the fiscal year	件 Initiatives	0	2	1	0

*3 天候不順等により、当該年度に実施できなかったものもあるため、年度により変動

Varies depending on the fiscal year, as some could not be implemented in the applicable fiscal year due to bad weather, etc.

生物多様性保全活動：年度別新規取り組み内容と2020年度実績（日本）

Biodiversity Conservation Activities: New Initiatives by Fiscal Year and Fiscal 2020 Performance (Japan)


初回年度 First year	分類 Category	拠点 Site (Pref.)	概要 Overview	FY2020	
				開催月 Month(s) held	延べ人数*4 Participants*4
FY2015	里山保全活動 Preservation of satoyama forest areas	群馬 Gunma	群馬県有林『NSKぐんま未来の森』の保全活動 Conservation of NSK Gunma Future Forest	10月 October	20
FY2018	里山保全活動 Preservation of satoyama forest areas	福島 Fukushima	棚倉町有林の保全活動 Conservation of Tanagura Municipal Forest	11月 November	19
FY2019	海洋保全活動 Preservation of marine environment	静岡 Shizuoka	海岸清掃（海洋プラスチック削減）とウミガメの保全活動 Beach cleanup (reducing ocean plastic pollution) and conservation of marine turtles	9月 September	57

*4 社外からの参加者（NPO、森林組合、自治体職員、地域住民など）も含まれます。

Including participants from outside the company (personnel of NPOs, forest cooperatives, local governments, and local residents)

環境情報検証報告書

Independent Verification Report



No.1811004139

Independent Verification Report

To: NSK Ltd.

1. Objective and Scope
 Japan Quality Assurance Organization (hereafter "JQA") was engaged by NSK Ltd. (hereafter "the Company") to provide an independent verification on "FY2020 NSK Group GHG emission calculation report", "FY2020 NSK Group Water withdrawal calculation report", "FY2020 NSK Group Waste, valuable resources, and Hazardous waste calculation report" and "FY2020 NSK Group VOC emission calculation report" (hereafter "the Reports"). The content of our verification was to express our conclusion, based on our verification procedures, on whether the statement of information regarding GHG emissions, Energy Use, Water withdrawal, Industrial waste and valuable resources, Hazardous waste only in Japan facilities, and VOC emissions in the Reports was correctly measured and calculated, in accordance with the "NSK Group GHG emission calculation standard (Scope 1 and 2) (Ver. 02-07)", "NSK Group GHG emission calculation standard (Scope 3) (Ver. 01-08)", "NSK Group Water withdrawal calculation standard (Ver. 01-04)" and "NSK Group Total waste of industrial waste and valuables, Recycling rate and Hazardous waste, calculation standard (Ver. 02-02)" and "NSK Group VOC emission calculation standard (Ver.01-03)" (hereafter "the Rules"). The purpose of the verification is to evaluate the Reports objectively and to enhance the credibility of the Reports. * The fiscal year 2020 of the Company ended on March 31, 2021.

2. Procedures Performed
 JQA conducted verification in accordance with "ISO 14064-3" for GHG emissions and Energy use, and with "ISAE3000" for Water withdrawal, Industrial waste and valuable resources, Hazardous waste, and VOC emissions, respectively. The scope of this verification assignment covers Scope 1, 2 and Scope 3 as GHG emissions, Energy Use, Water withdrawal^{#1}, Industrial waste and valuable resources^{#2}, Hazardous waste only in Japan facilities^{#3}, and VOC emissions^{#4}. The verification was conducted to a limited level of assurance and quantitative materiality was set at 5 percent each of the total emissions and total amount in the Reports. The organizational boundaries of this verification cover all NSK Group sites in Japan and outside Japan, including production sites, technology centers and non-production sites of NSK Ltd., NSK equity affiliates^{#5} and NSK brand producing companies.


^{#1} Water withdrawal is comprised of tap water, industrial water, groundwater, recycled water and rainwater, used by business activities.
^{#2} Industrial waste and valuable resources are solid or liquid waste discharged by business activities.
^{#3} Hazardous waste is "specially controlled industrial waste" stipulated by the "Waste Management and Public Cleaning Act" among the amount of Industrial waste and valuable resources only in Japan facilities.
^{#4} VOC emissions are substances specified by the Rules, among the VOC emitted from business activities.
^{#5} NSK equity affiliates which 50 percent or more of the voting stock is owned by NSK.

Our verification procedures included:

- Performing validation of integrated functions to check the Rules.
- On-site assessment at 4 domestic sampling sites (NSK Ltd. Haruna Plant, NSK Ltd. Saitama Plant, CHITOSE SANGYO Co., Ltd., NSK Logistics Co., Ltd. East Japan Business Center Nagareyama warehouse) to check the report boundaries; GHG sources; monitoring points of activity data; monitoring and calculation system; and the activity data. The number and location of sampling sites were selected by the Company.
- Performing validation of the Rule and verification of Scope 3. Checking calculation scenario and allocation method for Scope 3; monitoring and calculation system; and emission data.

3. Conclusion
 Based on the procedures described above, nothing has come to our attention that has caused us to believe that the statement of the information regarding the Company's FY2020 GHG emissions, Energy Use, Water withdrawal, Industrial waste and valuable resources, Hazardous waste only in Japan facilities, and VOC emissions in the Report is not materially correct, or has not been prepared in accordance with the Rules.

4. Consideration
 The Company was responsible for preparing the Reports, and JQA's responsibility was to conduct verification of GHG emissions, Energy Use, Water withdrawal, Industrial waste and valuable resources, Hazardous waste only in Japan facilities, and VOC emissions in the Reports only. There is no conflict of interest between the Company and JQA.



Sumio Asada, Board Director
 For and on behalf of Japan Quality Assurance Organization
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 July 26, 2021