

Green Procurement Guideline

Ver.3.3

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NORITSU KOKI CO., LTD.

1. Introduction

Human health and environment have been exposed to chemicals at an unexpected risk level through the course of modern economic development. Since the beginning of the 21st century, Noritsu Koki Co., Ltd. (NKC) started gearing toward health and environment-friendly *monozukuri* by designing and developing products having little environmental load.

To this end, NKC will promote green procurement practices based on “Green Procurement Guidelines” (called the Guidelines hereafter) and compliance of environmental chemical substance control laws and other requirements.

2. Purpose

With green procurement, we procure products that are safe, recyclable and energy efficient from suppliers that actively engage in environmental conservation and environmental chemical substance controls.

The aim of the Guidelines is to contribute to the making of a clean society by avoiding use of environmentally harmful chemical substances not only at NKC but over the entire supply chain in the distribution of products.

3. Promoting green procurement

We would like suppliers to join us in the promotion of green procurement and fulfill the following conditions.

3-1 Terms and conditions for suppliers

- ① NKC requires its suppliers to have acquired a third party certification for EMS complying to international standards such as ISO 14001 or EMAS, or EMS complying to domestic standards such as Eco Stage or Eco Action 21, or to have passed auditing performed by NKC.

Standards	Organization	Overview
ISO14001/EMS	International Organization for Standardization	Internationally recognized third party certification system http://www.iso.org/iso/home.htm
EMAS/EU environmental control auditing regulations (Eco-Management Audit Scheme)	European Commission, Environment DG.	Standards aimed at environmental improvement http://ec.europa.eu/environment/emas/index_en.htm
KES/Kyoto EMS Standards (Environmental Management System)	NPO KES Environmental Organization (Miyako Agenda 21 Forum)	Environmental management system http://www.keskyoto.org/index.html
Eco Stage	Eco Stage Institute	Environmental management assessment system based on acquisition of ISO 14001 http://www.ecostage.org/dl/index.php
Eco Action 21	Institute for Global Environmental Strategies Center for Sustainability	Certification and registration system based on the Ministry of Environment guidelines http://www.ea21.jp/index.html

- ② We request for supplier presentation pertaining to execution of green procurement, or efforts in such a direction.
- ③ During the auditing performed by NKC, it must be confirmed that supplier activities fulfill all items on the Action Item List & Check Sheet.
- ④ We request suppliers to create a framework for controlling contained chemical substances in their delivered items.

3-2 Environmental conservation activities

We will confirm the status of environmental conservation at our suppliers using the Supplier Green Manufacturing Survey Sheet.

3-3 Controlled chemical substances

Regulatory control by non-use certification or content data is necessary for the controlled chemical substances (32 substances listed on JIG table A and one substance under specific control by Noritsu Koki) listed on [Attached Table 1].

[Attached Table 1] List of controlled chemical substances (※1)

No	Chemical Substances	※2	Reportable Application(s)	Threshold Level (Reporting level)	Key Legal and Regulatory or industry standard/ agreement citation
1	Asbestos	R	All	Intentionally added	EU Directive 76/769/EC
2	Azocolourants and azodyes which form certain aromatic amines	R	Textiles and leather	0.003% by weight (30 ppm) of the product	EU Directive 76/769/EEC
3	Beryllium Oxide (BeO)	I	Ceramics	0.1% by weight (1,000ppm) of the product	DIGITALEUROPE/ EERA guidance
4	Brominated flame retardants (other than PBBs,PBDEs, or HBCDD)	I	Plastic parts >25 grams other than in Printed Circuit Assemblies	0.1% by weight (1,000ppm) of the product	DIGITALEUROPE/ EERA guidance
5	Cadmium/cadmium compounds	R	All, except batteries	0.01% by weight (100 ppm) of homogeneous materials	EU Directive 2002/95/EC
		R	Batteries	0.0005% by weight (5 ppm) of battery	EU Directive 2006/66/EC
6	Chromium VI compounds	R	All	0.1 % by weight (1,000 ppm) of homogeneous materials	EU Directive 2002/95/EC
7	Diarsenic Pentoxide	R	All	0.1 % by weight (1,000 ppm) of the product	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006
8	Diarsenic Trioxide	R	All	0.1 % by weight (1,000 ppm) of the product	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006
9	Fluorinated greenhouse gases (PFC, SF6, HFC)	R	All	Intentionally Added	EU Reg. No. 842/2006
10	Formaldehyde	R	Composite wood	Intentionally Added	US/CA CARB Rule
		R	Textiles	0.0075% by weight (75 ppm) of textile product	Austria – BGB I 1990/194: Formaldehydverordnung, § 2, 12/2/1990
11	Hexabromocyclododecane (HBCDD)	R	All	0.1 % by weight (1,000 ppm) of the product	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006

12	Lead/lead compounds	R	All, except as noted below	0.1 % by weight (1,000 ppm) of homogeneous materials	EU Directive 2002/95/EC
		R	Consumer products for children 12 years of age	0.03% by weight (300 ppm) of children's product	U.S. Consumer Product Safety Improvement Act
		R	Paint and similar surface coatings of toys	0.009% by weight of surface coating	
		R	Cables/cords	0.03% by weight (300 ppm) of surface coating	US/CA Proposition 65 Case law
		R	Batteries	0.004% by weight (40 ppm) of battery	EU Directive 2006/66/EC
13	Mercury/mercury compounds	R	All, except batteries	Intentionally added or 0.1% (1,000 ppm) at homogeneous material	EU Directive 2002/95/EC
		R	Batteries	0.0001% by weight (1 ppm) of battery	EU Directive 2006/66/EC
14	Nickel	R	All, where prolonged skin contact is expected	Intentionally added	EU Directive 76/769/EEC
15	Ozone Depleting Substances	R	All	Intentionally added	Montreal Protocol
16	Perchlorates	R	All	0.0000006 % by weight (0.006 ppm) of the product	US/CA DTSC Rulemaking
17	Perfluorooctane sulfonate (PFOS)	R	All	Intentionally added	76/769/EEC
18	Phenol,2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)	R	All	Intentionally added	Japan Law concerning the evaluation of chemical substances
19	Phthalates I (DEHP, DBP, BBP)	R	All	0.1 % by weight (1,000 ppm) of the product	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006
20	Phthalates II (DINP, DIDP, DNOP)	R	Children's toy or Child care article	0.1 % by weight (1,000 ppm) of plasticized material	EU Directive 2005/84/EC
21	Polybrominated Biphenyls (PBBs)	R	All	0.1 % by weight (1,000 ppm) in homogeneous material	EU Directive 2002/95/EC
22	Polybrominated Diphenylethers (PBDEs)	R	All	0.1 % by weight (1,000 ppm) in homogeneous material	EU Directive 2002/95/EC

23	Deca-Bromodiphenylether (Deca-BDE) (PBDE)	R	TV and computer housings	Intentionally added	Maine: Title 38 § 1609 Restrictions on sale and distribution of brominated flame retardants
24	Polychlorinated Biphenyls (PCBs) and specific substitutes	R	All	Intentionally added	76/769/EEC
25	Polychlorinated Terphenyls (PCTs)	R	All	Intentionally added	76/769/EEC
26	Polychlorinated Naphthalenes (more than 3 chlorine atoms)	R	All	Intentionally added	Japan Law concerning the evaluation of chemical substances
27	Polyvinyl Chloride	I	All	0.1% by weight (1,000 ppm) of product	IEEE1680 (Electronic Product Environmental Assessment Tool)
28	Radioactive substances	R	All	Intentionally added	EU-D 96/29/Euratom
29	Shortchain Chlorinated Paraffins (C10 - C13)	R	All	0.1 % by weight (1,000 ppm) of product	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006
30	Certain Tributyl Tin (TBT) and Triphenyl Tin (TPT) compounds	R	All	Intentionally added	Japan Law concerning the evaluation of chemical substances
31	Tributyl Tin Oxide (TBTO)	R	All	Intentionally added or 0.1 % by weight (1,000 ppm) of the product	Article 33 and 7.2 of REACH Regulation (EC) No 1907/2006
32	Tris (2-chloroethyl) phosphate (TCEP)	A	All	0.1 % by weight (1,000 ppm) of the product	ECHA Registry of Intentions
※3 33	Dimethyl Fumarate (DMF)	R	Furnitur, shoes Packing material	0.1mg/kg per product or part of product	EU Directive 2001/95/EC

※1 : Controlled chemical substances are identified in compliance with the Joint Industry Guide “JIG-101 Ed 2.0” by Japan Green Procurement Survey Standardization Initiative (JGPSSI). Controlled chemical substances and their threshold values may change without forewarning as the guidelines are revised.

Please refer to the Joint Industry Guide (JIG) (April 28, 2009) on the JGPSSI webpage for details at the following URL.

http://210.254.215.73/jeita_eps/green/greendata/JIG2009/JIG-101_Ed_20_en_090428.pdf

※2 : Basic standards for disclosure

R : Controlled by legal regulations (chemical substances where prohibition of use, restricted use, mandatory reporting, etc. are required)

A : Evaluative (Substances may be subjected to regulation, but the effective date of regulatory terms and conditions is undetermined.)

I : For information provision only

※3 : Substances No.1 through No.32 are listed on Table A of “JIG-101 Ed 2.0.” If a new control regulation on a substance may be imposed on a NKC product due to a revision made in legal regulations, we will then designate such a substance under a specific control. Substances under specific control will be reflected on the [Attached Table 1] of the Guidelines in a timely manner.

4. Agreement

The Guidelines define standards and approaches pertaining to non-use of prohibited contained chemical substances and to constructing and maintaining a system to guarantee such non-use. We request suppliers to submit an “Agreement” upon agreeing with the content of the Guidelines.

5. Making changes in 4Ms (Material, Method, Machine, and Man)

Prior to making changes to the 4Ms, (materials used, methods of production, machines for production or men responsible) please communicate the fact to a NKC representative.

6. Request for supplier cooperation for surveys

NKC will execute effective environmental conservation measures for the entire supply chain including suppliers.

Since sharing of information becomes vital in such an effort, we request our suppliers' cooperation in surveys below.

6-1 Information on contained chemical substances

We require suppliers to provide contained chemical substance information for products (raw materials, parts, semi-finished items and finished items) procured from them.

6-2 Environmental conservation activities

For each supplier, we will conduct the field survey of their environmental conservation activities performed and their framework and compare it against the survey sheet submitted in 3-2 after a set period of time.

7. Disclosure

The Guidelines are disclosed in the NKC webpage over the Internet, where it can be viewed by everybody in all fairness.

In aims of global accessibility, their contents will be released in Japanese, English and Chinese as they are completed.