

Environmental Management System

In 1995, Murata established its Environmental Charter, which spells out the basic environmental policy and action plan for the whole group. Murata is making a daily effort to put this commitment into practice.

Murata Environmental Charter

Corporate Environmental Policy

[Concept]

In the desire to contribute to a truly rich human society, we develop materials and products, devise and maintain production activities, and supply products worldwide. However, we cannot deny that our production activities as well as our products themselves are unintentionally affecting the global environment. We fully acknowledge this impact on the global environment and are taking action to reduce our environmental impacts as one of the important initiatives being put into practice as part of our Murata Philosophy and establishment vision. We will unite the efforts of our management organization, repeatedly work toward reducing our environmental impacts, and through management efficiency determine the points at which business and environmental interests converge.

[Action Guidelines]

1. Not restricting ourselves merely to the observance of environmental laws and regulations, we will establish a voluntary management standard and will strive to improve our management standards for environmental protection.
2. We will strive to reduce the environmental impacts of our products.
 - 2-1 In our R&D and design activities, we will consider approaches that will minimize the environmental impact of our products.
 - 2-2 In cases where a product contains an environmentally hazardous substances, we will seek ways to reduce the amount used or incorporate a more benign substitute.
 - 2-3 In the effort to minimize the amount of packaging materials used with our products, we will adopt a "reduce, reuse and recycle" policy.
 - 2-4 We will develop procurement activities through which we will select materials that have minimal direct or indirect environmental impacts.
3. We will strive to reduce the environmental impacts of our business operations.
 - 3-1 To help prevent global warming, we will implement energy conservation and reduce greenhouse gas emissions.
 - 3-2 Where production processes make use of environmentally hazardous substances, we will seek ways to reduce the amount used or incorporate a more benign substitute.
 - 3-3 We will aggressively seek to reduce, reuse and recycle wastes and will seek to minimize the amount of waste produced and conserve resources.
4. Through aggressive social initiatives, we will adopt environmental preservation activities in close contact with the local community and promote afforestation of corporate land according to a systematic long-term plan while working to improve the local environment.
5. While making all employees aware of the environmental policy, we will strive to raise employee awareness of higher environmental ethics. Moreover, we will develop timely and appropriate educational as well as public relations activities.
6. We will strive to become a corporation focused on environmental management and active public disclosure of our achievements in this area.
7. In order to implement each of the above action guidelines, we will establish and adopt our environmental action plan while continuously striving to improve our environmental performance.

Promotion System

Murata, as the party responsible for harmonizing the environmental conservation activities of the entire group, we will appoint an individual responsible for environmental affairs. As well, with the Environmental Management Department as the functional staff, we are promoting comprehensive environmental preservation activities. Moreover, we will include the entire group and will examine and deliberate various themes. We have also established a Murata Environment Committee as a consultative body to the president. For the lower branch of the Environment Committee, we have established sub-committees according to theme, and are conducting specialized research and planning activities.



3rd Environmental Action Plan

We have established our 3rd Environmental Action Plan, which sets out fiscal 2006 milestones for the fiscal 2010 environmental management targets of the Murata Group. We are implementing new initiatives in fiscal 2004 to achieve these milestones.



Theme	No.	Item	Targets for Fiscal 2006
Environmental management	1	Enhancement of environmental management	① We intend to obtain certification of registration with ISO 14001 at multiple sites of Murata Manufacturing. ② We will establish internal management techniques for cost-effective environmental management and will provide our subsidiaries outside Japan with an environmental cost management system.
Providing environmentally conscious products	2	Environmental Conscious Designs	① We will extend product assessments throughout the company. ② We will devise an arrangement by which we will address environmental conservation when formulating research and development themes. ③ We will compile a database in order to increase the efficiency of LCA data calculations.
	3	Reducing environmentally hazardous substances contained in products	We will actively promote the adoption of alternative materials or the conversion to alternative technologies. ① We will complete the abolition of substances subject to the RoHS Directive. ② We will curtail the amount of halogenated flame-retardants in use by 20% compared to fiscal 2003 levels.
	4	Managing information related to environmentally hazardous substances	We will compile and adopt a chemical substance management database. Fiscal 2004: Compilation of a database for finished products Fiscal 2005: Compilation and sharing of a database on materials for the purchasing department
	5	Reducing the use of packaging materials & the consumption of energy used for physical distribution	① We will reduce the amount of packaging materials used per unit of net sales in Japan by 5% compared with fiscal 2000 levels. ② We will reduce CO ₂ emissions from physical distribution per unit of net sales in Japan by 5% compared with fiscal 2000 levels.
	6	Green procurement	① We will conduct surveys of the green value of materials in order to responsibly accommodate additions to or revisions of lists of controlled substances in response to changing demand from customers and industries. During fiscal 2004, we will achieve a 100% green procurement ratio for materials used in production at plants and subsidiaries in Japan and will continue efforts to achieve this target at subsidiaries outside Japan. ② The Murata Group will achieve a 100% green purchasing ratio for all products not used in production. Moreover, we will disclose our progress in achieving this green purchasing target.
	Eco-friendly business operations	7	Preventing global warming
8		Implementing a policy of resource conservation and reducing, reusing and recycling wastes	① We will reduce total waste emissions per unit of net sales in Japan by more than 15% compared with fiscal 2000 levels. ② We will achieve a material recycling rate in Japan of 90%. ③ We will reduce water usage per unit of net sales in Japan by more than 20% compared with fiscal 2000 levels. ④ We will achieve zero emissions in construction of new buildings in Japan. ⑤ We will achieve zero emissions in construction of new buildings outside Japan.
9		Management and reduction of environmentally hazardous substances used in processing	① We will reduce atmospheric emissions of VOCs, which contribute to the generation of photochemical oxidants, and suspended particulates by more than 3% compared with fiscal 2000 levels. ② We will reduce atmospheric emissions in Japan of PFCs, which contribute to greenhouse gasses, by more than 80% compared with the fiscal 2002 levels.
10		Risk management	We will undertake environmental remediation of contaminated soil and groundwater as a countermeasure to address the current method, which requires much time to achieve complete remediation at plants and subsidiaries where soil and groundwater contamination have been confirmed. We will reduce the remediation period by almost 50%.
Social activities	11	Environmental communication	① We will continue to issue an annual environmental report and will release additional information more than two times a year via other media. ② We will issue environmental reports on each site.
	12	Community and social activities	① Each plant and subsidiary will undertake activities to contribute to the community and society more than once per year. ② We will expand rooftop greenery areas at plants and offices by more than 10%.