

Environment

Promoting Environmental Management

To meet its growing corporate social responsibilities, since FY2002 the ANA Group has promoted a system to ensure compliance with environmental laws and regulations. We are also practicing “environmental communication” and have enhanced our environmental accounting. In these ways ANA Group companies are also actively promoting environmental management.

■ Compliance with Environmental Laws/Regulations

Business Facilities Subject to Environmental Laws/Regulations

The ANA Group is subject to 23 laws/regulations at a total of 383 business facilities. In FY2006 we incurred no penalties and caused no environmental mishaps.

Disposal of Used Vehicles

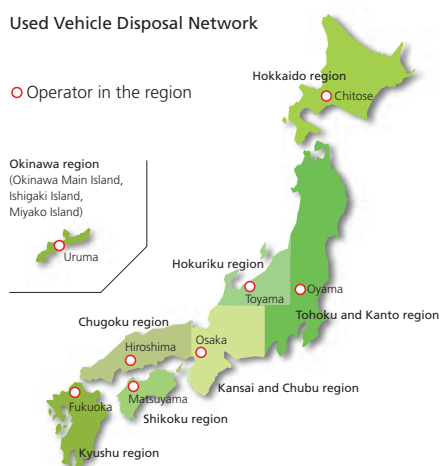
The ANA Group owns roughly 3,000 vehicles in Japan. Many of these are specialized vehicles whose disposal entails various problems such as logistics. To properly dispose of these used vehicles, we established a Japan-wide network that meets applicable laws and regulations, both the Waste Manage-

ment Law and the April 2005 Vehicle Recycling Law.

The system locates reliable operators in Hokkaido, Tohoku, Kanto, Hokuriku, Kansai, Chubu, Chugoku, Shikoku and Kyushu to properly and efficiently dispose of such vehicles used at airports in those regions.

Vehicles previously owned by a Group company, Air Nippon, were transferred to ANA in FY2006; to enable the integrated disposal of vehicles at remote island airports such as Ishigaki and Miyako as well, we selected an operator in Uruma City that works with a shipping company.

Used Vehicle Disposal Network



Applicable Laws/Regulations and Number of Facilities

Law/regulation	Facilities
1. Law of the re-manufacture of specific home appliances (Home Appliance Recycling Law)	56
2. Waste Management and Public Cleaning Law	56
3. Vehicle Recycling Law	21
4. Law concerning the protection of the ozone layer through the control of specified substances and other measures (Ozone Layer Protection Law)	45
5. Law for ensuring the implementation of recovery and destruction of fluorocarbons related to specified products (Fluorocarbons Recovery and Destruction Law)	47
6. Law concerning special measures for promoting appropriate treatment of polychlorobiphenyl waste	2
7. Law concerning reporting, etc. of the release to the environment of specific chemical substances and promoting improvements in their management (PRTR Law)	18
8. Law for the rational use of energy (Energy Saving Law)	13
9. Air Pollution Control Law	14
10. Law concerning special measures for total emission reduction of nitrogen oxides and small particles from automobiles in specified areas	21
11. Water Pollution Control Law	17
12. Sewage Control Law	7
13. Septic Tank Control Law	6
14. Noise Regulation Law	8
15. Vibration Regulation Law	7
16. Offensive Odor Control Law	6
17. Factory Allocation Law	1
18. Law for developing pollution prevention organizations at specified factories (Pollution Prevention System Development Law)	1
19. Toxic and Hazardous Substances Regulation Law	20
20. Container and Packaging Recycling Law	8
21. Building Material Recycling Law	2
22. Law to ensure sanitary environments in buildings	7
23. Food Recycling Law	-
Total	383



■ Environmental Communication

Communicating Our Environmental and Social Activities

If we are to earn the trust of society, properly communicating our environmental and social activities is as important as the activities themselves.

The ANA Group's environmental and social activities—such as coral planting, forestation and International Environmental Picture Book Competition—have been featured in our monthly inflight magazine, *Tsubasa no Ohkoku*, as well as on our “Channel J” Internet TV webcast. Our coral-planting activity and aircraft engine washing were featured on TV programs. Since we added an environment section to ANA's website in 1999, we have received numerous inquiries and comments.

Ecolife Fair

Our exhibit at the annual Ecolife Fair in Yoyogi Park (Tokyo) is another example. In addition to introducing the ANA Group's environmental activities through DVD and panel presentations, our display featured recycled uniforms and new, lighter seats designed to reduce overall aircraft weight. By participating in ecology-related exhibitions and by communicating with people who visit our booth, we are working to inform the public about the ANA Group's environmental activities.



ANA's booth at Ecolife Fair 2007

■ Educational Activities

The ANA Group holds activities to raise awareness of the environment among employees. The ANA Group Environment Seminar is held annually, and we have an e-learning program on our

intranet. Interest in the environment is high at the ANA Group, and a growing number of sections are making efforts to save energy.

■ Environmental Accounting

To determine the quantitative cost of its environmental conservation activities, in FY2001 ANA introduced an environmental accounting system. In FY2002 the system was extended to all business offices and branches in Japan, and Air Nippon and Air Japan were included in the categories of energy-saving aircraft and ground power units (GPU).

Air Nippon Network was included in FY2004, Air Next in FY2005, and Air Central in FY2006.

Rising costs in management activities and energy-efficient aircraft purchasing/leasing spurred an 8% increase of the FY2006 environmental conservation outlay to ¥22,446 million.

Environmental Accounting Record (FY2006)

Unit: JPY millions

Environmental items	Costs	Major activities
Cost at each site		
Pollution prevention costs	768	Processing disposed water from washing aircraft fuselages and kitchen facilities
Global environmental conservation costs	13,691	Introduction of energy-saving aircraft; Use of ground power for parked aircraft
Resource recycling costs	604	Waste treatment; Reduction, sorting and recycling of waste
Upstream and downstream costs	129	Green purchasing; Additional costs to offer environment-friendly goods; Measures to comply with Packaging Recycling Law
Management activity costs	6,977	EMS-related; Environmental information disclosure and ads; Environmental impact monitoring; Environmental education; Greening and beautification of offices and environs; Other environmental management activities
Research and development costs	247	Research and development of products contributing to environmental conservation; Research and development to control environmental impact during manufacture; Control of environmental impact during logistics and sales
Social activity costs	30	Greening and beautification of offices and environs; Financial support of environmental conservation organizations; Support of environmental activities in local communities
Environmental damage recovery costs	—	Natural restoration costs; Compensation for environmental conservation-related mishaps; Provision of reserve for environmental mishaps and insurance premiums
Total	22,446	

* The ANA Group appropriates 10% of its depreciation costs and leasing costs of aircraft to environmental accounting.

* Targeted sections: All ANA sections (excluding overseas branches), Air Nippon (ANK), Air Japan (AJX), Air Nippon Network (AKX), Air Next (NXA) and Air Central (CRF)

* Covering period: FY2006 (April 1, 2006—March 31, 2007)

* Others: Based on the environmental guidelines set by the Ministry of the Environment

■ ISO14001 Environmental Management System Certification

In February 2002, the Narita Maintenance Center of the Engineering & Maintenance Division became the first aircraft-handling facility in Japan to obtain ISO14001 environmental management system certification. ANA

Catering Service received ISO14001 certification in August 2007.



ISO14001 certification

Promoting Environmental Management

■ Environmental Management Efforts

The First e-flights in the World

Ahead of any other airline in the world, the ANA Group operated “e-flights” with the goal of raising environmental awareness among passengers. This was introduced on 23 scheduled flights from October to December 2006.

During these flights, a message from writer C.W. Nicol, producer of “ANA Earth Friendly Project,” was shown on Sky Vision. Passengers were given natural mineral water and Rainforest Alliance-certified, environment-friendly coffee in nonwood paper cups. Super Seat Premium customers enjoyed a light meal consisting of specially cultivated agricultural produce, and snacks of organic vegetables.



e-flight logo



Rainforest Alliance-certified coffee is served in nonwood paper cups.

Reducing Industrial Waste Through Reuse

ANA Aero Supply Systems is a Group company that manages the inventory and bookkeeping of aircraft parts and maintenance tools, as well as the receipt and examination of aircraft materials. The company, which used to consume much bubble patch for the packaging of parts, now helps reduce industrial waste by applying unneeded materials such as cardboard to the production of packaging material.



Cardboard boxes are repurposed into packaging materials.

Proper Handling of Waste, Reducing Electricity and Water

In FY2005 ANA Aircraft Maintenance (ANAM) established a global environment team. The first thing they tackled was the “3Rs” of waste—reduce, recycle and reuse—to mitigate the company’s heavy consumption of combustibles, waste plastics and waste solutions. The team patrolled the workplace to verify that waste was being properly sorted and handled, with excellent results.

In FY2006, under the banner of “Eco-Eco Activity,” ANAM focused on a 10% reduction in electricity and water usage over the previous year. Fluorescent lamps were replaced with more efficient types, and high-efficiency troffers were also used. Air-conditioning was also rendered more efficient through better insulation, which was achieved by doubling the window sash during office remodeling. As a result, electricity usage decreased by 11%. By installing special parts to faucets, water usage decreased by 34%.



Waste collection facility



Waste is thoroughly sorted.