

Resource Conservation and Recycling

In fiscal year 2006, IBIDEN achieved genuine zero emissions of liquid wastes. From here on out, for the "Reduce" concept, we will implement reductions in water and electricity usage in our manufacturing facilities and offices; for "Reuse" concept, we will implement recirculation and reuse of coolant water and used water; and for "Recycle" concept, we will implement recovery of energy, reuse of wastewater, and recycling of waste materials.

Zero-emission Activities for Liquid and Solid Industrial Wastes

For solid wastes, IBIDEN achieved zero direct landfill disposal in December 2003. For liquid wastes, we achieved zero outsourced disposal at the end of May 2005. We are continuing activities that enable us to sustain these zero emissions. In 2006, we also engaged in activities to reduce wastewater and liquid wastes and the manufacturing processes where they occur.

Mid-term Plan (FY 2003 Through FY 2007)	FY 2006 Targets	Performance	Evaluation
<ul style="list-style-type: none"> Completely in-house treatment of liquid wastes and wastewater from manufacturing processes Zero-emission activities for solid waste materials 	<ul style="list-style-type: none"> Completely in-house treatment of liquid wastes and wastewater from manufacturing processes Sustained zero-emission activities for solid waste materials 	100% reduction Sustaining activities	○ ○

FY 2007 Targets

<ul style="list-style-type: none"> Reduction of wastewater discharge through adoption of wastewater-recycling technology Preparation of in-house treatment sites 	<ul style="list-style-type: none"> Reduction of liquid-waste discharge through liquid-waste recycling Roll-out of zero emissions to overseas plants and affiliates
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Our Management

CSR Performance

Environmental Reports

Liquid-waste and Wastewater Activities Activities in Fiscal Year 2006

Because zero emissions of liquid wastes was completely achieved in the early stages of fiscal year 2006, IBIDEN made reduction of wastewater and liquid waste an objective, and carried out activities that emphasized water conservation in manufacturing processes in particular.

Activities for the "Reduce" Concept

Through investigation of the treatment conditions in manufacturing processes, IBIDEN reduced the unit load for water usage in some processes by 50% or more.

Activities for the "Reuse" Concept

IBIDEN implemented improvements to use a portion of the wastewater from some manufacturing processes as water for washing in other processes. We also performed improvements to use a portion of treated wastewater as water for utilities.

Activities for the "Recycle" Concept

By using a membrane separation device in-process to recycle a portion of the wastewater discharged from manufacturing processes, IBIDEN reduced the unit load for water usage in some processes by 50% or more.

Promoting On-site Treatment at the Plants As Improvement Activities Treatment (Water Treatment)

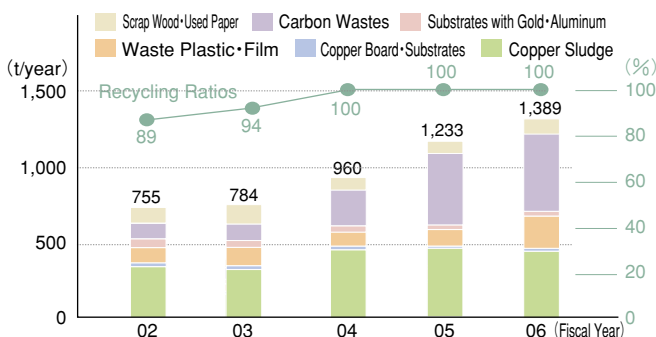
Promoting in-house treatment of wastes

IBIDEN installed new liquid-waste treatment facilities at the Aoyanagi and Ogaki plants. Also, to accommodate the increasing amounts of liquid wastes treated, IBIDEN developed and implemented flora-control and membrane-treatment technology for biological treatment, which is one of the treatment processes.

Future Action

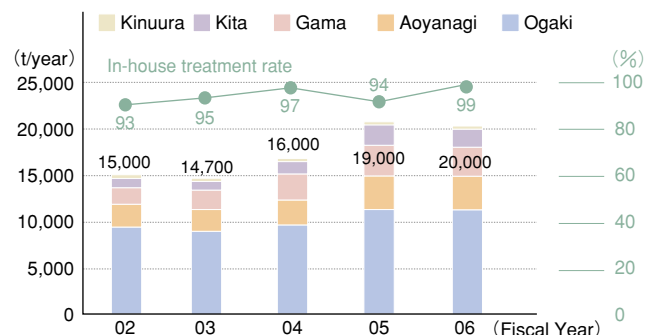
IBIDEN will make the activities to sustain genuine zero-emission activities the basis for forward-moving measures that emphasize reductions in wastewater and liquid wastes. In manufacturing, IBIDEN will follow on the efforts of 2006 by engaging in water-conservation and liquid-waste reduction activities based on the three R concepts. In treatment, we will carry out improvement activities aimed at promoting on-site treatment at our business sites and achieving stabilized treatment. We are also taking up the challenges of developing technologies for recovering metals and other resources from wastewater and liquid wastes.

● Trends in Recycled Amounts and Recycling Ratios for Solid-waste Materials



*In terms of solid-waste materials, sludge recycling increased due to increase in amounts of liquid waste or DPF at Ogaki Plant.

● Ratios of Contracted (Outsourced + IEC) Treatment and In-house Treatment



*Because control of liquid-waste lifespan is incomplete, the treatments amounts are increasing.