

Improvement of working environment

For the sake of safety and employee's health in the workshops, and local environmental pollution prevention, we are always improving the working environment, checking mainly noise and chemical substances.

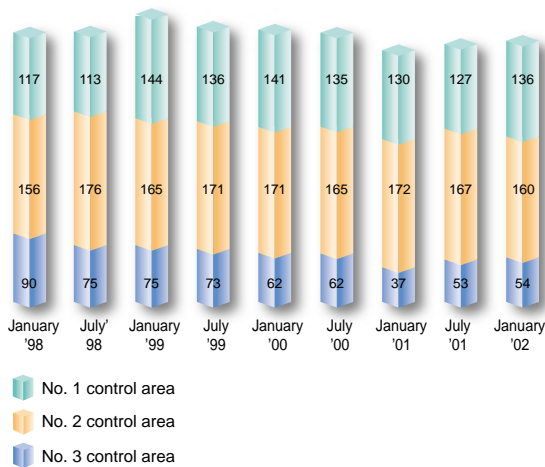
Noise

Though No. 3 control area in noisy workshops was decreasing before, the number of the area is increasing because new equipments and new workshops are increasing since July 2001. We promote the reduction of the area from now on.

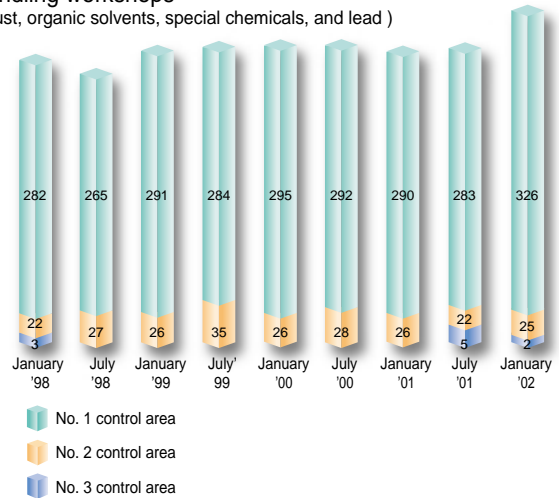
Hazardous substances

Regarding hazardous substances handling workshops (dust, organic solvents, special chemicals, and lead), there were no No. 3 control area since 1998, but there are two workshops now. We are improving the working environment of these workshops, setting up stricter self-imposed concentration than that of national standard.

Transition of numbers of company-wide noisy workshops



Transition of numbers of company-wide hazardous substances handling workshops (dust, organic solvents, special chemicals, and lead)



Working Environment, An example of improvement of organic solvents handling workshop (Valve painting workshop in Hirakata plant)

After improvement



Improved items

The items shown below were improved to increase the suction performance of the local exhaust ventilators.

Before improvement	After improvement
The material of hood: canvas	changed to metal hood
The hood was impossible to open and close.	The ceiling of hood is easy to open and close.
Poor performance of suction fan	improved performance of suction fan

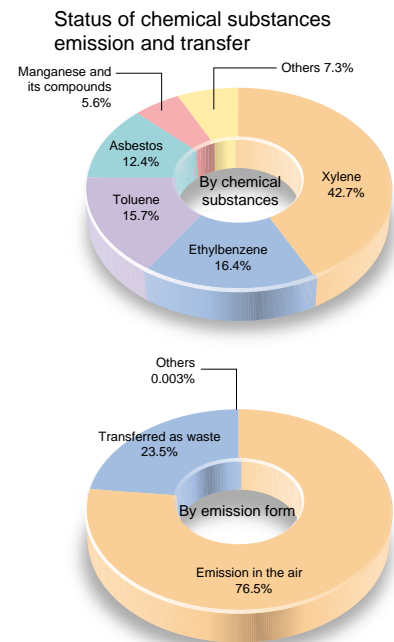
Chemical substances control

We at Kubota make an effort to prevent environmental pollution both inside and outside our plants, by appropriate control of chemical substances.

At the same time, we are promoting the reduction of those chemicals both in emission and in transfer (disposal).

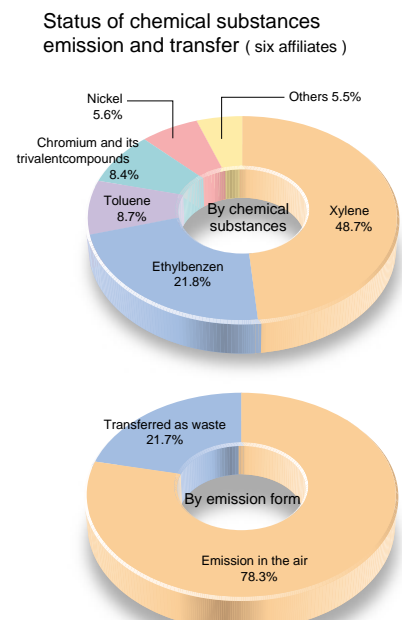
PRTR aggregate results (on an unconsolidated basis, as of fiscal 2001) (unit: kg/year, mg-TEQ/year for dioxins)

Number specified in cabinet order	Substances	(Handling amount: 1 ton or more per year) Emission				Transfer	
		Air	Water	Soil	Landfill	Sewerage	Transfer from plants
1	Water-soluble zinc compound	0.0	0.0	0.0	0.0	0.0	0.0
9	Bis (2-ethylhexyl) adipic acid	0.0	0.0	0.0	0.0	0.0	310.0
16	2-aminoethanol	0.0	0.0	0.0	0.0	0.0	10,000.0
26	Asbestos	9.5	16.0	0.0	0.0	23.0	220,000.0
30	Bisphenol A type epoxy resin	0.0	0.0	0.0	0.0	0.0	230.0
40	Ethylbenzene	290,000.0	0.0	0.0	0.0	0.0	5,600.0
43	Ethylene glycol	0.0	0.0	0.0	0.0	0.0	0.0
63	Xylene	740,000.0	0.0	0.0	0.0	0.0	20,000.0
68	Chromium and its trivalent compounds	0.0	0.0	0.0	0.0	8.4	31,000.0
69	Hexavalent chromium compounds	0.0	0.0	0.0	0.0	0.0	430.0
100	Cobalt and its compounds	0.0	0.0	0.0	0.0	0.0	230.0
102	Vinyl acetate	0.0	0.0	0.0	0.0	0.0	0.0
145	Methylene chloride	2,900.0	0.0	0.0	0.0	1.0	0.0
176	Organic tin compounds	30.0	0.0	0.0	0.0	0.0	160.0
177	Styrene	64,000.0	0.0	0.0	0.0	0.0	0.0
179	Dioxins	190.0	0.0	0.0	0.0	0.0	7.5
211	Trichloroethylene	2,100.0	0.0	0.0	0.0	0.0	4,100.0
224	1, 3, 5-Trimethylbenzene	4,500.0	0.0	0.0	0.0	0.0	110.0
227	Toluene	260,000.0	0.0	0.0	0.0	0.0	18,000.0
230	Lead and its compounds	120.0	0.0	0.0	0.0	0.0	5,500.0
231	Nickel	5.8	0.0	0.0	0.0	0.0	21.0
266	Phenol	0.0	0.0	0.0	0.0	0.0	160.0
270	Di-n-butyl phthalate	0.0	0.0	0.0	0.0	0.0	120.0
272	Bis (2-ethylhexyl) phthalate	0.0	0.0	0.0	0.0	0.0	290.0
304	Boron and its compounds	0.0	0.0	0.0	0.0	0.0	2,700.0
311	Manganese and its compounds	0.0	0.0	0.0	0.0	3.6	99,000.0
312	Phthalic anhydride	0.0	0.0	0.0	0.0	0.0	1.0
346	Molybdenum and its compounds	0.0	0.0	0.0	0.0	0.0	0.0
	Total	1,400,000.0	16.0	0.0	0.0	36.0	420,000.0



PRTR aggregate results (six affiliates, as of fiscal 2001) (unit: kg/year, mg-TEQ/year for dioxins)

Number specified in cabinet order	Substances	(Handling amount: 5 ton or more per year) Emission				Transfer	
		Air	Water	Soil	Landfill	Sewerage	Transfer from plants
40	Ethylbenzene	8,800.0	0.0	0.0	0.0	0.0	0.0
63	Xylene	19,000.0	0.0	0.0	0.0	0.0	620.0
68	Chromium and its trivalent compounds	0.0	0.0	0.0	0.0	0.0	3,400.0
132	HCFC-141b	290.0	0.0	0.0	0.0	0.0	1,500.0
179	Dioxins	6.2	0.0	0.0	0.0	0.0	330.0
227	Toluene	3,500.0	0.0	0.0	0.0	0.0	0.0
230	Lead and its compounds	0.0	0.0	0.0	0.0	0.0	181.0
231	Nickel	0.0	0.0	0.0	0.0	0.0	2,800.0
311	Manganese and its compounds	0.0	0.0	0.0	0.0	0.0	230.0
	Total	32,000.0	0.0	0.0	0.0	0.0	8,700.0



Substances of red letters show the Class 1 designated chemical substances.

* Figures are shown double figures as significant figures.

Six affiliates: Kubota Air Conditioner Co., Ltd., Ito Casting Co., Ltd., Nihon Plastic Co., Ltd., Kyushu Kubota Chemical Co., Ltd., Toba Techno-metal Co., Ltd., Kubota Vending Services Co., Ltd.