

## Amagasaki Plant

1. Address: 2-3-47, Higashi-Tsukaguchi-cho, Amagasaki-shi, Hyogo
2. Number of employees: 560
3. Commencement of operations: 1938
4. Site total area: 46,000m<sup>2</sup> (14,000 *tsubo*)
5. Date ISO 14001 certification received: October 1998
6. Principal products: Co-extruded, multi-layered films for food product packaging; PTP packaging materials for medical use; Wrapping tape for electronic parts
7. Attainment of zero-emission status: 2003



Water sprinkling (*uchimizu*)\* activities at the Amagasaki Plant



Prize received in wall greening contest

\* Activities undertaken to lower pavement temperature in the summer months to minimize the urban "heat island effect"

### <Air>

Facility	Item	Unit	Regulatory limit	Actual measurement
Boiler	SOx	m <sup>3</sup> N/h	1.15	Less than 0.03
	NOx	ppm	150	52.1
	NOx (total volume)	tonnes/year	13.8	2.15
	Soot and dust	g/m <sup>3</sup> N	0.05	Less than 0.002

### <Water> Emissions into public water areas

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.8–8.6	7.3–7.8
BOD	mg/L	25	4.4
COD	mg/L	25	5.4
Suspended solids	mg/L	20	3.6
n-hexane extract	mg/L	20	2.1

### <Water> Released into sewers

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.7–8.7	5.7–8.5
BOD	mg/L	300	390*
Suspended solids	mg/L	300	150
n-hexane extract	mg/L	30	53*

\* The grease traps and other equipment are cleaned periodically because grease and other substances enter effluent from the kitchens. In addition, as a stronger measure, plans call for the installation of a water purification tank in fiscal 2009.

At the Amagasaki Plant, we have prepared an Environmental Policy and are conducting environmental activities on a daily basis. In addition, we are promoting "energy conservation and CO<sub>2</sub> emission reduction activities" and "waste emission reduction activities" and reporting steady results from these initiatives. We are also taking care to communicate proactively with the community, including providing opportunities for periodic tours of the plant.

Haruhiro Fukuda,  
Manager, Amagasaki Plant



## Shizuoka Plant

1. Address: 2100 Takayanagi, Fujieda-shi, Shizuoka
2. Number of employees: 687
3. Commencement of operations: 1962
4. Site total area: 287,000m<sup>2</sup> (87,000 *tsubo*)
5. Date ISO 14001 certification received: March 1999
6. Principal products: Epoxy resin cop-per clad laminates, molding compounds, industrial phenolic resins, melamine resin decorative boards
7. Attainment of zero-emission status: 2005



Cleanup activities in Surugadai (in Shizuoka)



Staff perform community services at welfare facilities (rice cake pounding event).

### <Air>

Facility	Item	Unit	Regulatory limit	Actual measurement
Cogeneration boiler	NOx	ppm	100	37
	Soot and dust	g/m <sup>3</sup> N	0.05	Less than 0.013

### <Water> Emissions into public water areas

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.8–8.6	7.2–8.1
BOD	mg/L	15	2.1
COD	mg/L	—	3.6
Suspended solids	mg/L	30	6.2
n-hexane extract	mg/L	3	Less than 0.5
Phenols	mg/L	1	Less than 0.05
Formaldehyde	mg/L	5	0.2

As one of Sumitomo Bakelite's key facilities, the Shizuoka Plant manufactures an extremely large number of products in varying lot sizes. As a result, the environmental impact of the plant—including the consumption of energy, the level of waste emissions, and other indicators—is high compared to that of Sumitomo Bakelite as a whole. However, we have actively implemented ISO 14001, and, with the participation of all staff members, we have reduced our CO<sub>2</sub> and waste emissions and attained zero-emission status.

Kazuhiisa Hirano, Manager, Shizuoka Plant

