

**Utsunomiya Plant****<Air>**

Facility	Item	Unit	Regulatory limit	Actual measurement
Drying furnace	SOx	m <sup>3</sup> N/h	1.22	0.013 or less
	Soot and dust	g/m <sup>3</sup> N	0.2	0.001 or less

**<Water>** Emissions into public water areas

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.8–8.6	7.4–7.9
BOD	mg/L	25	1.6
COD	mg/L	25	5.3
Suspended solids	mg/L	40	Less than 1
n-hexane extract	mg/L	5	Less than 1

**Tsu Plant****<Air>** No relevant facilities**<Water>** Released into sewers

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.0–9.0	6.8–8.8
BOD	mg/L	600	160
n-hexane extract (mineral oil)	mg/L	5	2.4
n-hexane extract (animal and plant oils)	mg/L	30	9.2
Suspended solids	mg/L	600	220
Total nitrogen	mg/L	240	9.1
Total phosphorus	mg/L	32	0.66
Ammonium nitrogen	mg/L	380	10.0
Nitrate-nitrogen as well as nitrite-nitrogen	mg/L	380	0.6

**Kanuma Plant****<Air>**

Facility	Item	Unit	Regulatory limit	Actual measurement
Boiler	NOx	ppm	180	110
	Soot and dust	g/m <sup>3</sup> N	0.30	0.009

**<Water>** Emissions into public water areas

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.8–8.6	7.1–7.5
n-hexane extract	mg/L	5	<1.0–1.9

**Nara Plant****<Air>**

Facility	Item	Unit	Regulatory limit	Actual measurement
Boiler	NOx	ppm	100	78
	Soot and dust	g/m <sup>3</sup> N	0.10	0.009

**<Water>** Emissions into public water areas

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.6–8.4	6.6–7.5
BOD	mg/L	50	10.6
COD	mg/L	50	13.3
Suspended solids	mg/L	20	1.7

**Fundamental Research Laboratory****<Air>** No relevant facilities**<Water>** Released into sewers

Item	Unit	Regulatory limit	Actual measurement
pH	—	5–9	7.4–8.4
Total cyanide	mg/L	1	Less than 0.1
Phenols	mg/L	0.5	Less than 0.05
Fluorine and its compounds	mg/L	10	Less than 1
Boron and its compounds	mg/L	8	Less than 1
n-hexane extract	mg/L	5	Less than 1
Dichloromethane	mg/L	0.2	Less than 0.02
1,2-dichloroethane	mg/L	0.04	Less than 0.004

**Kobe Fundamental Research Laboratory****<Air>** No relevant facilities**<Water>** Released into sewers

Item	Unit	Regulatory limit	Actual measurement
pH	—	5–9	6.7–7.8
Suspended solids	mg/L	2,000	2
BOD	mg/L	2,000	1
n-hexane extract	mg/L	5	Less than 1.0

## Kyushu Bakelite Industry Co., Ltd.

### <Air>

Facility	Item	Unit	Regulatory limit	Actual measurement
Boiler	SOx	m <sup>3</sup> N/h	0.63	0.37
	NOx	ppm	180	49
	Soot and dust	g/m <sup>3</sup> N	0.3	Less than 0.01

### <Water> Emissions into public water areas

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.8–8.6	7.1–7.8
BOD	mg/L	160	15.0
COD	mg/L	80	16.0
Suspended solids	mg/L	100	10.0
n-hexane extract (mineral oil)	mg/L	2.5	Not detectable

\* Regulatory limits were relaxed beginning in December 2007, following a review of the agreement with the City of Nogata.

## Akita Sumitomo Bakelite Co., Ltd.

### <Air>

Facility	Item	Unit	Regulatory limit	Actual measurement
Boiler	SOx	m <sup>3</sup> N/h	3.18	0.34
	NOx	ppm	110	42
	Soot and dust	g/m <sup>3</sup> N	0.09	Less than 0.01

### <Water> Emissions into public water areas

Item	Unit	Regulatory limit	Actual measurement
pH	—	6.0–8.5	7.0–7.4
BOD	mg/L	30	19.0
COD	mg/L	30	11.0
Suspended solids	mg/L	40	11.0
Phenols	mg/L	0.5	0.02
Copper	mg/L	1.0	0.54
Cyanide compounds	mg/L	0.1	Less than 0.01
Lead and its compounds	mg/L	0.1	Less than 0.01
Soluble manganese	mg/L	5	Less than 0.03

## S.B. Techno Plastics Co., Ltd. (Head Office Plant)

### <Air> No relevant facilities

### <Water> Emissions into public water areas

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.8–8.6	6.4–8.6
BOD	mg/L	20	8.9
Suspended solids	mg/L	50	48

## Artlite Kogyo Co., Ltd.

### <Air>

Facility	Item	Unit	Regulatory limit	Actual measurement
Boiler	SOx	m <sup>3</sup> N/h	4.38	0.03
	NOx	ppm	180	78
	Soot and dust	g/m <sup>3</sup> N	0.3	0.004

### <Water> Emissions into public water areas

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.8–8.6	7.1–7.9
BOD	mg/L	160	1.9
COD	mg/L	30	3.81
COD (total)	kg/day	27.1	0.25
Suspended solids	mg/L	200	Less than 5
n-hexane extract	mg/L	5	Less than 2
Phenols	mg/L	5	Less than 1
Total nitrogen	mg/L	40	—
Total phosphorus	mg/L	2	—

## Yamaroku Kasei Industry Co., Ltd.

### <Air> No relevant facilities

### <Water> Emissions into public water areas

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.8–8.6	6.8–7.1
BOD	mg/L	25	1
COD	mg/L	25	5
Suspended solids	mg/L	90	3
Phenols	mg/L	5	Less than 0.01

## Kyodo Co., Ltd.

### <Air> No relevant facilities

### <Water> Emissions into public water areas

Item	Unit	Regulatory limit	Actual measurement
pH	—	5.8–8.6	7.6–8.2
BOD	mg/L	25	1.0
COD	mg/L	25	1.0–2.0
Suspended solids	mg/L	90	1.0–4.0

\* Actual measurement: Tests are conducted voluntarily four times a year, and these are reported to the municipal office of Kashiwara City and to the Ministry of Land, Infrastructure, Transport and Tourism. Regarding water effluent, tests are conducted autonomously and by the municipal office on a periodic basis, and water is disposed of directly into the Yamato River system (exemption from the installation of an effluent processing facility).

- Notes: 1. In cases where there are multiple facilities subject to regulations, we have listed the facility discharging the largest amount of gas emissions.  
 2. Regarding regulatory limits, we have listed the most stringent of municipal ordinances, community agreements, and administrative guidance.  
 3. Actual measurements are the largest values observed in fiscal 2008. Regarding pH, the lowest and highest values are listed.  
 4. Actual measurements listed as "less than" indicate a measurement smaller than the lowest measurable value. Actual measurements listed as "not detectable" indicate a measurement below the minimum detection level.

