

Data

Status of ISO 14001 certification (Nikon)

	Date of Group-wide certification approval	Date of independent certification approval	Location
Nikon Group-wide certification	Oct. 2004	—	Tokyo
Ohi Plant	(Oct. 2004)	Jul. 1998	Tokyo
Yokohama Plant	(Oct. 2004)	Oct. 1998	Kanagawa
Mito Plant	(Jun. 2005)	Apr. 1994	Ibaraki
Head Office	(Sept. 2005)	—	Tokyo
Sagamihara Plant	(Sept. 2005)	Aug. 1998	Kanagawa
Kumagaya Plant	(Sept. 2005)	Aug. 1998	Saitama

Status of ISO 14001 certification (Group companies)

	Date of Group-wide certification approval	Date of independent certification approval	Location
Sendai Nikon (Sendai Nikon Precision)	(Apr. 2006)	Mar. 1997	Miyagi
Zao Nikon	(Apr. 2006)	Mar. 1999	Miyagi
Tochigi Nikon (Tochigi Nikon Precision)	(Sept. 2006)	Sept. 1999	Tochigi
Kurobane Nikon	(Sept. 2006)	Dec. 1999	Tochigi
Mito Nikon Precision (formerly Mito Nikon)	(Sept. 2006)	Dec. 1999	Ibaraki
Nasu Nikon	—	Dec. 1999	Tochigi
Aichi Nikon	—	Dec. 1999	Aichi
Hikari Glass	(Nov. 2007)	Mar. 2004 (Akita Office)	Chiba
Nikon Instech	(Nov. 2007)	Mar. 2004	Tokyo
TNI Industry Nagai Factory (formerly Setagaya Industry)	(Nov. 2007)	Nov. 2004	Yamagata
Nikon Vision	(Nov. 2007)	—	Tokyo
Nikon Imaging (China)	(Nov. 2007)	Jun. 2005	China
Nikon (Thailand)	(Nov. 2007)	Nov. 2006	Thailand

Environmental Data

Cost of environmental protection

Unit: millions of yen

Category		Main activities	Investment	Expenses	Total
Product environment	Product development Energy saving, resource saving, Reduction in use of hazardous chemical substances	Creating energy-efficient designs, RoHS Directive compliance, etc.	10	219	229
	Green procurement	Green Procurement Standards, etc.	—	36	36
	Packaging & distribution	Eco-friendly driving courses, surveys of transport volume, etc.	—	1	1
Product environment subtotal			10	256	266
Workplace environment	Energy saving	Upgrading air conditioning systems, installation of inverter-equipped equipment, etc.	273	23	296
	Waste reduction	Maintenance of zero-emission systems, reduction in water usage	1	66	67
	Reduction in use of hazardous chemical substances	Disposal & management of unnecessary chemical substances	1	7	8
	Green procurement	Promoting purchase of eco-friendly articles, etc.	—	6	6
	Improvements to workplace	Improvements to workplace environment performance	—	41	41
Workplace environment subtotal			275	143	418
Legal compliance		Management of equipment for processing gaseous emissions and effluents, maintenance of noise/vibration-emitting facilities, waste management, recycling fee management, control of dangerous substances, etc.	625	1,021	1,646
Administration		ISO 14001 (administering Environmental Management System (EMS), workplace education), social contribution activities, planting trees, etc.	28	1,446	1,474
Grand total			938	2,866	3,804

Cost of environmental protection classified according to guidelines of the Japanese Ministry of the Environment

Unit: millions of yen

Category	Main activities	Investment	Expenses	Total	Economic effect
Costs within business establishment area		928	1,153	2,081	123
Pollution prevention costs	Management of equipment for processing gaseous emissions and effluents, maintenance of noise/vibration-emitting facilities	463	606	1,069	—
Global environment protection costs	Energy conservation, reduction in use of hazardous chemical substances, control of dangerous substances	465	140	605	23
Resource recycling costs	Waste reduction, waste management, recycling fee management, Maintenance of zero-emission systems	1	407	408	100
Upstream/downstream costs	Application of Green Procurement Standards, hazardous chemical substance surveys, recycling fee management, etc.	—	43	43	0
Administration costs	ISO 14001 (administering Environmental Management System (EMS), workplace education), etc.	—	510	510	0
R&D costs	Creating energy-efficient designs, RoHS Directive compliance, etc.	10	219	229	0
Social activity costs	Social contribution activities, sponsorship activities, public relations, etc.	—	27	27	0
Environmental damage costs	Soil treatment costs, pollution load levy	—	913	913	0
Grand total		938	2,866	3,804	123

Scope of Data: Nikon, Tochigi Nikon, Tochigi Nikon Precision, Mito Nikon Precision, Sendai Nikon, Sendai Nikon Precision, Zao Nikon, Kurobane Nikon, Hikari Glass, TNI Industry Nagai Factory, etc.

Applicable Period: April 1, 2007 to March 31, 2008

Notes: Costs which could not be clarified are in principle not included in these accounts.

Depreciation and amortization have not been factored into these accounts.

Where a facility has been utilized for several purposes and breakdown is considered complex, the entire cost has been included in the investment cost.

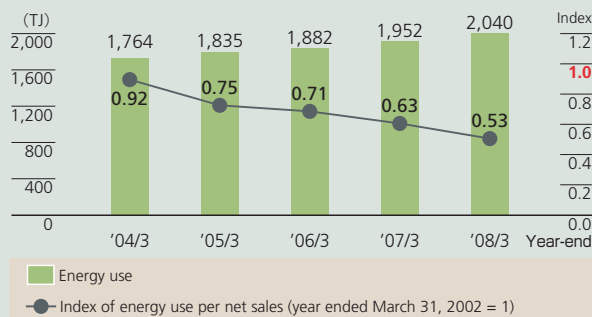
All costs have been rounded up or down to the nearest whole number, so it is possible that a total is not identical to the sum of the constituents as listed.

Only "substantial effects" deducible based on sound reasons are included as economical effects of environmental conservation measures.

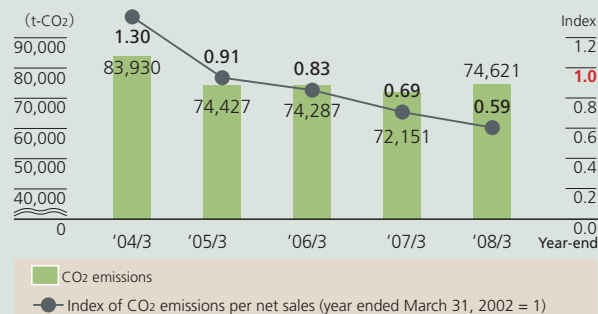
Environmental Topics

Data

Energy use (Nikon)

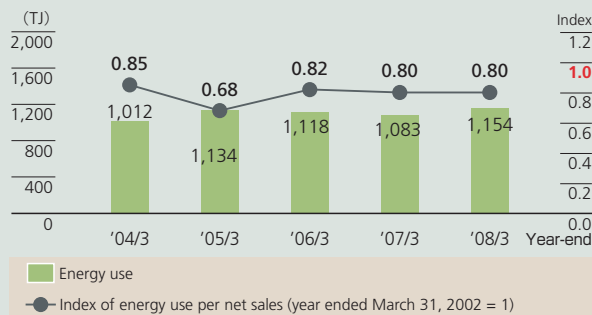


CO2 emissions (Nikon)

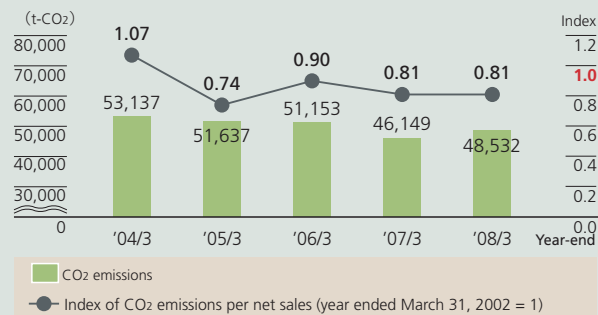


Note: CO2 emissions for the year ended March 31, 2008, have been calculated using the emission index for the previous year.

Energy use (Major manufacturing subsidiaries in Japan)



CO2 emissions (Major manufacturing subsidiaries in Japan)



Note: CO2 emissions for the year ended March 31, 2008, have been calculated using the emission index for the previous year.

PRTR survey results (year ended March 31, 2008)

Unit: kg

Facility	Substance No.	Substance name	Volume handled	Amount released			Amount transferred		Amount in on-site landfill	Amount removed for processing	Amount shipped in product
				Air	Public water	Soil	Sewage	Waste			
Nikon	Yokohama Plant	227 Toluene	1,049	787	0	0	0	262	0	0	0
	Sagamihara Plant	230 Lead & lead compounds	3,370	2	0	0	0	1,379	0	53	1,989
		304 Boron & boron compounds	1,694	2	0	0	0	692	0	36	1,000
Major manufacturing subsidiaries in Japan	Tochigi Nikon, Tochigi Nikon Precision	144 Dichloropentafluoropropane	2,489	2,376	0	0	0	0	0	0	113
	Mito Nikon Precision (formerly Mito Nikon)	232 Nickel compounds	633	0	0	0	0	120	0	0	513
	Sendai Nikon, Sendai Nikon Precision	63 Xylene	2,326	1,396	0	0	0	930	0	0	0
227 Toluene		2,822	1,693	0	0	0	1,129	0	0	0	

Nikon: No PRTR substances at Ohi Plant, Kumagaya Plant or Mito Plant.

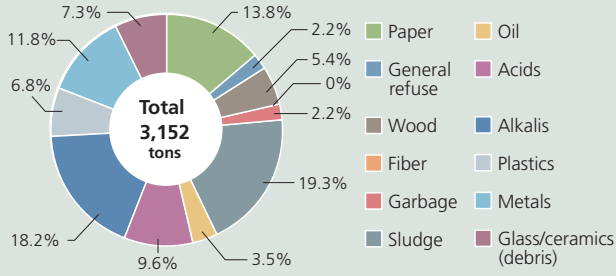
Major manufacturing subsidiaries in Japan: No PRTR substances at Zao Nikon or Kurobane Nikon.

Note: The above table includes data only for hazardous chemical substances of which one ton or more (0.5 tons or more for Class 1 designated chemical substances) is handled at the facility in a given year.

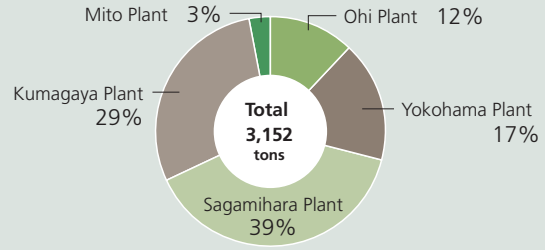
Achievement of zero-emission systems in Nikon Group

Plant	System complete (year-end)	Company	System complete (year-end)	
Nikon	Ohi Plant	March 31, 2003	Sendai Nikon, Sendai Nikon Precision	March 31, 2002
	Yokohama Plant	March 31, 2003	Tochigi Nikon, Tochigi Nikon Precision	March 31, 2004
	Sagamihara Plant	March 31, 2003	Kurobane Nikon	March 31, 2004
	Kumagaya Plant	March 31, 2003	Mito Nikon Precision (formerly Mito Nikon)	March 31, 2005
	Mito Plant	March 31, 2003	Zao Nikon	March 31, 2005
Group manufacturing companies		Nasu Nikon	March 31, 2006	
		Aichi Nikon	March 31, 2007	

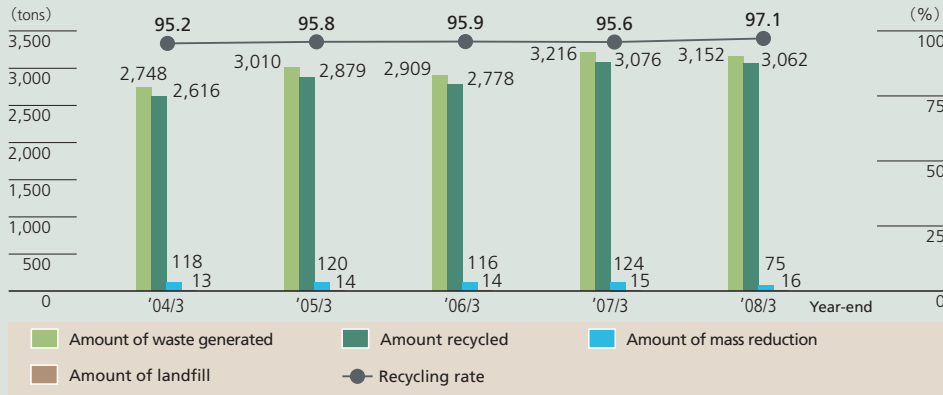
Waste generated (in year ended March 31, 2008) by category (Nikon)



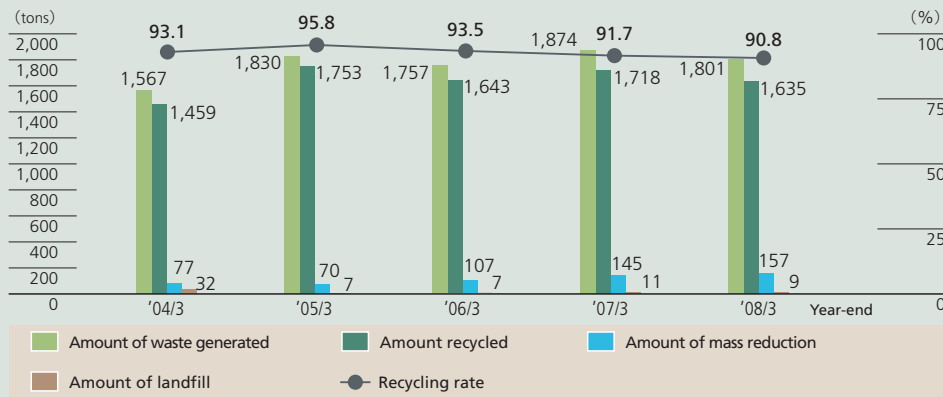
Waste generated (in year ended March 31, 2008) by plant (Nikon)



Discharge, disposal, recycling of waste (Nikon)



Discharge, disposal, recycling of waste (Major manufacturing subsidiaries in Japan)



Environmental Topics

Data

Air & Water Quality Environmental Data for Each Plant (Year ended March 31, 2008)

Ohi Plant

Address: 6-3, Nishi-Ohi 1-chome,
Shinagawa-ku, Tokyo
140-8601, Japan
Phone: +81-3-3773-1307



Yokohama Plant

Address: 471 Nagaodai-cho,
Sakae-ku, Yokohama,
Kanagawa 244-8533,
Japan
Phone: +81-45-852-2111



Air (Air Pollution Control Law, Metropolitan regulations)

Units: Dust: g/Nm³; NOx: ppm

Item	Regulatory standard	Plant standard	Actual (max.)	
Cooling & heating equipment	Dust	0.15	0.12	0.001
		0.15	0.12	0.001
		0.15	0.12	0.001
	NOx	45	45	29
		45	45	28
		45	45	22

Air (Air Pollution Control Law, Prefectural regulations)

Unit: NOx: ppm

Item	Regulatory standard	Plant standard	Actual (max.)	
Boiler	NOx	65	60	26
		65	60	30
		65	60	29
		46	42	25
		46	42	35
		46	42	24
		46	42	24

Water quality (Sewerage Law, Metropolitan regulations)

Unit: mg/liter, except for pH

Item	Regulatory standard	Plant standard	Actual (max.)	
Living environment	pH	5.8~8.6	5.9~8.5	6.4~7.8
	BOD	300	240	63.7
	SS	300	240	52
	n-hexane (animal & vegetable)	30	24	5
	Iodine demand	220	176	0.7
	Copper	3	2.4	<0.01
	Zinc	2(5)*	1.6(4)*	0.03 (<0.01)*
	Soluble iron	10	8	0.01
	Total chromium	2	1.6	0.01
	Fluorine	15	12	2
	Nitrogen	120	96	9.4
	Phosphorous	16	12.8	8.1
	Boron	230	184	0.1
	Health	Lead	0.1	0.08

* From June 11, 2007, the Tokyo metropolitan sewerage regulatory standard for zinc was revised, as was the plant standard. Figures in parentheses represent values prior to these changes.

Water quality (Sewerage Law, City regulations)

Unit: mg/liter, except for pH

Item	Regulatory standard	Plant standard	Actual (max.)	
Living environment	pH	5.0~9.0	5.5~8.5	6.4~7.0
	BOD	600	540	2.8
	SS	600	540	6
	n-hexane (animal & vegetable)	5	4.5	4
	Iodine demand	220	200	0.2
	Copper	1	0.9	0
	Zinc	1	0.9	0.03
	Soluble iron	3	2.7	0.02
	Soluble manganese	1	0.9	0
	Total chromium	2	1	0
	Nickel	1	0.9	0.03
	Fluorine	8	7	1.23
	Boron	10	8	0.2
	Nitrogen	240	135	20
	Phosphorus	32	18	0.2
	Health	Lead	0.1	0.1
Arsenic		0.1	0.1	0
Hexavalent chromium		0.5	0.4	0
Trichloroethylene		0.3	0.2	0
Tetrachloroethylene		0.1	0.1	0
Dichloromethane		0.2	0.1	0

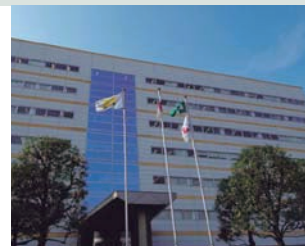
Sagamihara Plant

Address: 10-1, Asamizodai 1-
chome, Sagamihara,
Kanagawa 228-0828,
Japan
Phone: +81-42-740-6300



Kumagaya Plant

Address: 201-9 Miizugahara,
Kumagaya, Saitama
360-8559, Japan
Phone: +81-48-533-2111



Air (Air Pollution Control Law, Prefectural regulations)

Units: Dust: g/Nm³; NOx: ppm; Fluorine, lead in fusion furnace: mg/Nm³; hydrogen chloride in scrubber: ppm

Item	Regulatory standard	Plant standard	Actual (max.)	
Boiler	Dust	0.1	0.05	0.0030
		0.1	0.05	0.0036
		0.1	0.05	0.0029
		0.1	0.05	0.0021
		0.1	0.05	0.0030
		0.1	0.05	0.0095
	NOx	60	57	56
		60	57	56
		60	57	52
		105	100	10
		105	100	24
		60	57	29
		60	57	29
Absorption chiller	Dust	0.1	0.05	<0.001
		0.1	0.05	<0.001
	NOx	60	57	32
		60	57	27
Fusion furnace*	Dust	0.15	0.1	<0.005
	NOx	800	20	<5
	Fluorine	2.5	2	<0.25
	Lead	10	5	<0.03
Scrubber	Hydrogen chloride	5	4	0.5

* Optical glass smelting furnace (classified as a "fusion furnace" under the Air Pollution Control Law).

Water quality (Sewerage Law, City regulations)

Unit: mg/liter, except for pH

Item	Regulatory standard	Plant standard	Actual (max.)	
Living environment	pH	5.8~8.6	6.0~8.0	6.2~8.0
	BOD	300	60	32
	SS	300	90	9
	Zinc	2	0.5	0.13
	Fluorine	8	7.5	3.5
	Boron	10	5	2.24
	Ammoniac nitrogen	125	50	50
	Health	Lead	0.1	0.08
Arsenic		0.1	0.05	<0.01

Air (Air Pollution Control Law, Prefectural regulations)

Units: Dust: g/Nm³; NOx: ppm

Item	Regulatory standard	Plant standard	Actual (max.)	Item	Regulatory standard	Plant standard	Actual (max.)		
Boiler	Dust	0.1	0.05	0.007	Boiler	NOx	150	120	20
		0.1	0.05	<0.005			150	120	23
		0.1	0.05	<0.006			150	120	24
		0.1	0.05	<0.006			150	120	67
		0.1	0.05	0.009			150	120	29
		0.1	0.05	<0.005			150	120	26
		0.1	0.05	<0.005			150	120	30
		0.1	0.05	<0.006			150	120	55
		0.1	0.05	<0.006			150	120	57
		0.1	0.05	<0.006			150	120	62
		0.1	0.05	<0.005			150	120	30
		0.1	0.05	<0.005			150	120	34
	0.1	0.05	<0.006	150		120	61		
	0.1	0.05	0.007	150		120	61		
	0.1	0.05	0.008	150		120	66		
	0.1	0.05	<0.006	150		120	23		
	0.1	0.05	<0.006	150		120	26		
	0.1	0.05	<0.005	150		120	25		
	0.1	0.05	<0.006	150		120	66		
	0.1	0.05	<0.006	150		120	66		
	0.1	0.05	<0.006	150		120	35		
	0.1	0.05	<0.006	150		120	31		
	0.1	0.05	<0.006	150		120	30		

Water quality (Sewerage Law, City regulations)

Unit: mg/liter, except for pH

Item	Regulatory standard	Plant standard	Actual (max.)	
Living environment	pH	5.1~8.9	5.8~8.2	6.5~7.8
	BOD	600	480	13.0
	SS	600	480	8.8
	n-hexane (mineral)	5	4	<2.0
	n-hexane (animal & vegetable)	30	24	<2.0
	Iodine demand	220	198	6.0
	Copper	3	2.4	<0.1
	Zinc	5	1.6	<0.1
	Soluble iron	10	8	<0.5
	Nitrogen	240	192	140
	Ammoniac nitrogen	380	304	36.0
	Phosphorus	32	26	13.0
	Health	Lead	0.1	0.08

Environmental Topics

Data

Mito Plant

Address: 276-6 Motoishikawa-cho, Mito, Ibaraki 310-0843, Japan
Phone: +81-29-240-1112



Air (Air Pollution Control Law, Prefectural regulations)

Units: Dust: g/Nm³; NOx: ppm; SOx: Nm³/h

Item		Regulatory standard	Plant standard	Actual (max.)
Boiler	Dust	0.3	0.27	0.005
		0.3	0.27	0.005
		0.3	0.27	0.006
	NOx	180	162	100
		180	162	110
		180	162	96
	SOx	3.25	0.67	0.074
		3.25	0.67	0.039
		3.25	0.67	0.022

Water quality (Water Pollution Control Law, Prefectural regulations)

Unit: mg/liter, except for pH and E. coli (colonies/ml)

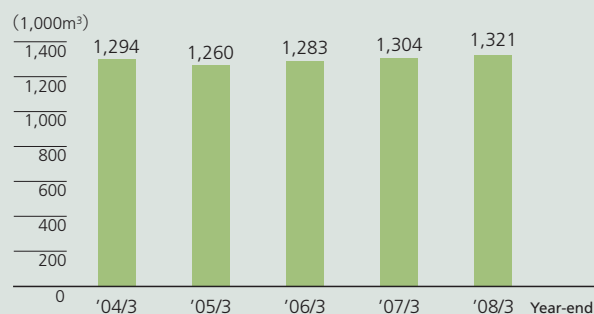
Item		Regulatory standard	Plant standard	Actual (max.)
Living environment	pH	5.8~8.6	6.0~8.2	6.7~7.6
	BOD	20	20	18
	SS	30	30	23
	n-hexane (animal & vegetable)	10	10	3
	E. coli (daily average)	3,000	2,700	34
	Nitrogen	60	60	56.5
	Phosphorous	8	8	5.92

Water usage for the year ended March 31, 2008

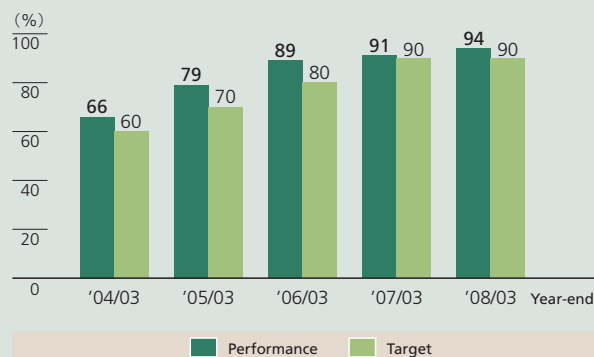
Unit: m³

Nikon	Annual water usage
Ohi Plant	60,903
Yokohama Plant	70,372
Sagamihara Plant	851,691
Kumagaya Plant	319,771
Mito Plant	18,334
Total	1,321,071

Water usage (March 31, 2004 ~ March 31, 2008)



Rate of green purchasing (purchases of specified goods as %)



Glossary

- SOx**: sulfur oxides
- NOx**: nitrogen oxides
- ppm**: Parts per million
- pH**: Hydrogen ion concentration. Indicates the acidity or alkalinity of a substance, where a solution of pH 0 to 7 is acid, pH of 7 is neutral, and a pH over 7 is alkaline. A change of one pH number indicates a 10-fold change in the concentration of hydrogen ions.
- BOD**: Biochemical oxygen demand. The amount of oxygen required for microorganisms to oxidize and consume organic pollutants in water. Used to gauge the degree of pollution of rivers.

- SS**: Suspended solids. Also referred to as substances that cause water clouding, they include small particles, plankton, organism carcasses and detritus, excretions and other organic materials, as well as sand, mud and other inorganic substances, and a range of manmade pollutants.
- n-hexane (mineral or animal/vegetable)**: Normal hexane mass. Used to measure the total content of oils and hydrocarbons in waste water, it indicates the amount of materials extracted to normal hexane and which do not volatilize at about 100°C. Covers animal and vegetable oils, fatty acids, petroleum-based hydrocarbons, wax and grease.
- Iodine demand**: The amount of iodine used by the reducing substances (sulfides, etc.) in waste water during iodine oxidation. It is an index of the presence of the reducing substances in waste water.