

**Industrial and communal sources
Netherlands Emission Inventory**

**Industrial water emissions,
individual facilities**

Version dated August 2008

NETHERLANDS NATIONAL WATER BOARD - WATER UNIT
in cooperation with DELTARES

Industrial water emissions, individual facilities Netherlands Emission Inventory

1 Description of emission source

This fact sheet describes how data about industrial emissions into water from individual facilities are collected and processed. It concerns the emissions (annual loads) from individually recorded companies into surface water (direct emission), the sewer system (indirect emission) and to the waste water treatment system of another company (emission to shared waste water treatment). The governmental target sector and economic activities for which water emission data are collected are listed in table 1.

Table 1: Industrial activities divided into target sectors and economic activity for which water emission data are collected.

governmental target sector	Economic activity
Waste disposal	waste treatment
Waste disposal	preparation for recycling
Construction	construction industry and construction installation companies
Construction	miscellaneous mining (not energy sources)
Chemical Industry	artificial fertiliser industry
Chemical Industry	manufacture of basic chemicals
Chemical Industry	manufacture of pesticides and other agro-chemical products
Chemical Industry	manufacture of other chemical products
Chemical Industry	manufacture of pharmaceutical products
Chemical Industry	manufacture of paint, varnishes, ink and mastics
Chemical Industry	manufacture of synthetic fibres
Chemical Industry	manufacture of soap, etc.
Production and supply of drinking water	extraction of water
Energy production	petroleum industry
Energy production	electricity generating companies
Energy production	mining (energy sources)
Trade and services	wholesale trade
Trade and services	other service activities
Trade and services	remainder: other sectors
Agriculture	Agriculture target sector
Other industries	motor vehicles and trailers industry
Other industries	basic metal industry
Other industries	construction materials, ceramics and glass industry
Other industries	graphic industry
Other industries	wood/furniture industry
Other industries	instruments and optical equipment industry
Other industries	plastics processing industry
Other industries	leather industry
Other industries	metal products industry
Other industries	paper industry
Other industries	remaining industry
Other industries	rubber industry
Other industries	shipbuilding industry
Other industries	textile industry
Other industries	food and confectionery industry
Refineries	refineries

Industrial activities for each target sector/sector are further subdivided into emission sources with the corresponding NACE code, which represents a hierarchical distribution of economic activities. See appendix 1 for a list of the 91 emission sources.

2 Explanation of calculation method

2.1 Collection of annual load data for industry

Industrial emission data are obtained from two separate data streams: the annual environmental reports and a survey of individual company emissions.

Annual environmental reports (MJV)

The Environmental Annual Reports Decree requires a large number of industrial facilities (approximately 250) to submit an environmental report every year. Among other information, companies are obliged to report their emissions into water over the past year in this report. The data are checked and approved by the competent authority (regional water authorities and regional offices of the National Water Authority).

In addition to these statutory environmental reports, similar reports are also drawn up by a few hundred other facilities on the basis of agreements between the government and the target sectors. About 200 of these facilities produce emissions into water, and this data is also taken into account. Until 2004 the "Facilitaire Organisatie voor de Industrie" (FO-I), an official body that supports industry in compliance with environmental requirements, used to enter the emissions reported in progress reports and MJVs into its database. An electronic version of the environmental annual report (eMJV) has been available since 2004. The eMJV is a secured, protected system which facilities can use to create and submit their MJV electronically. The competent authority approves the report in the same system.

Survey of emissions by individual facilities

This survey, previously known as the CIW survey, is conducted once a year among the regional and national Water Authorities (the competent authority under the Surface Water Pollution Act) to obtain data on emissions from industrial sources in the area for which they are responsible. The Water Authorities calculate these emissions on the basis of data supplied by the companies and/or their own data. Data on emissions into water were obtained in this way for 530 companies in 2005, compared to 372 in 2006.

REVIEW database

The environmental reports are collected by the FO-I. The survey of individual company emissions is conducted by the Netherlands Centre for Water Management. This organisation merges the two data streams into a single set of data, excluding overlaps, and manages it in a database (REVIEW).

2.2 Creating consistent time series

In order to obtain consistent time series it is important that the companies recorded in the REVIEW database are approached every year to obtain new pollutant load data. It is also important that there are no gaps in the consecutive years. Interpolation is applied to complete any gaps in respect of larger facilities. A representative list of companies, known as the "permanent set of companies", was set up for this purpose in 2003.

Interpolation of annual loads for the permanent set of companies

Data from surrounding years is used to interpolate gaps. Where possible, this is done by copying over annual load data from the previous year (copying forward). Load data is copied back to an earlier year (copying back) only if annual load data from preceding years is also known. The aim of this is to avoid copying back to a year in which the company was not yet operational.

A distinction is made between two types of gaps for the purposes of interpolation:

- 1) year gaps: for companies that are still operational and appear in the permanent set of companies but where no annual load figure is provided for the year under review, all the load values from the preceding year are copied forward to the year under review.
- 2) substance gaps: this is the situation where values are not provided in a given year for a particular substance, but are provided for the years before and after that year. Substance loads are interpolated

with retroactive effect for the year before the year under review, as it is only then that it is clear whether a substance gap exists.

Every copying action is marked with a code in the database so that it is always clear that the data in question has been copied.

Allocating an NACE code

Once these steps have been performed, the data set is sent to Statistics Netherlands. This body assigns NACE codes, and then each company can be assigned to an emission source code from table 1. The NACE coding is a hierarchical classification of economic activities based on the international classification of activities.

The annual load values linked to the emission sources form the basis of the NEI_i database for emissions into water.

Statistical estimation

As it is impossible to collect individual industrial emissions for all companies by means of the survey, Statistics Netherlands performs a statistical estimation. Individual industrial emissions are extrapolated to give data for entire sectors for around 30 industrial activities. The statistical estimation is submitted to the emissions inventory system as a collective figure for the sector in question. This method is described in "Industrial water emissions, statistical estimation".

3 Activity rates

Not applicable

4 Emission factors

Not applicable

5 Emissions calculated

The emissions assigned to industry on an annual basis are partly dependent on the number of annual loads supplied via the eMJV or the survey. Table 2 shows the number of loads reported each year via each data stream.

Table 2: Number of substance loads per year via each data stream

Year	Permanent set of companies			Other loads	Total number of loads	Total number of companies
	MJV/agreement	Water Authorities	copy			
1985	1734	1410	0	1691	4835	831
1990	0	1822	0	809	2631	519
1995	557	4011	870	2340	7778	1149
2000	2515	3412	818	1624	8369	1108
2005	3563	2784	988	845	8180	864
2006	3389	1764	1820	709	7682	814

It is impossible to give a concise overview of emission calculations because of the numerous activities undertaken, the years involved and the substances in question. For further details please visit www.prttr.nl. The emissions for each emission source are listed on this site.

Table 3 shows the trend over time for total emissions of a number of substances, and table 4 shows the distribution of emissions among various discharge types for 2006 and the contribution of industry from the statistical estimation. The complete overview for tables 3 and 4 can be found in appendices 4 and 5 respectively.

Table 3: Total emission from individual companies for each benchmark year.

substance name	unit	1990	1995	2000	2005	2006
ALUMINIUM COMPOUNDS AS AL	kg				53,156	57,728
ANORGANIC ANTIMONY COMPOUNDS AS SB	kg	642	475	249	274	487
ANORG. ARSENIC CPDS AS AS	kg	3,695	1,960	2,132	1,085	933
ANORG. BARIUM CPDS AS BA	kg				124	297
CADMIUM CPDS CALC. AS CD	kg	3,765	720	312	225	189
ANORG. CHROMIUM CPDS AS CR	kg	20,867	14,240	6,305	5,760	5,857
COBALT CPDS AS CO	kg				421	530
COPPER COMPOUNDS AS CU	kg	20,899	17,496	15,725	10,512	9,599
MERCURY CPDS CALC. AS HG	kg	522	381	98	93	69
LEAD COMPOUNDS AS PB	kg	20,794	8,430	5,602	2,826	2,611
MOLYBDENUM CPDS AS MO	kg			403	3,177	1,930
NICKEL COMPOUNDS AS NI	kg	19,846	13,631	7,667	6,014	6,533
ANORG. TIN/ COMPOUNDS AS SN	kg				102	109
ORGANOTIN COMPOUNDS NOS	kg	187	60	20	5.9	5.8
SILVER COMPOUNDS AS AG	kg	246	2,663	488	381	118
ZINC COMPOUNDS AS ZN	kg	116,361	61,114	52,522	36,482	33,931
ANORG./ORG. NITROGEN CPDS AS N	tonnes	15,032	12,417	10,652	10,338	10,581
PHOSPHOROUS COMPOUNDS AS P	tonnes	11,630	4,858	3,233	2,013	1,840

Table 4: Total emissions in 2006 for industry broken down by discharge type and the statistical estimation

NAME	unit	individual facilities			statistical estimation	total industry
		D	I	C		
ALUMINIUM COMPOUNDS AS AL	kg	13,943	43,780	5,0	91,372	149,100
ANORGANIC ANTIMONY COMPOUNDS AS SB	kg	42	111	334	331	818
ANORG. ARSENIC CPDS AS AS	kg	744	187	2.1	167	1,100
ANORG. BARIUM CPDS AS BA	kg	21	276		0.3	297
CADMIUM CPDS CALC. AS CD	kg	159	19	11	74	263
ANORG. CHROMIUM CPDS AS CR	kg	4,401	1,213	243	2,443	8,300
COBALT CPDS AS CO	kg	494	37		49	580
COPPER COMPOUNDS AS CU	kg	3,890	2,781	2,929	4,371	13,971
MERCURY CPDS CALC. AS HG	kg	33	6	30	33	102
LEAD COMPOUNDS AS PB	kg	1,780	546	285	982	3,593
MOLYBDENUM CPDS AS MO	kg	1684	247		433	2,363
NICKEL COMPOUNDS AS NI	kg	4,847	1,479	207	5,231	11,764
ANORG. TIN/ COMPOUNDS AS SN	kg	92	17		101	210
ORGANOTIN COMPOUNDS NOS	kg	5.8				6
SILVER COMPOUNDS AS AG	kg	1.4	116	1.0	85	203
ZINC COMPOUNDS AS ZN	kg	20,497	11,648	1,786	11,150	45,081
ANORG./ORG. NITROGEN CPDS AS N	tonnes	3,386	5,907	1,288	4,101	14,682
PHOSPHOROUS COMPOUNDS AS P	tonnes	359	994	488	393	2,233

6 Release into environmental compartments

All the emissions are allocated to the 'water' and 'sewer system' compartments, see section 7.

7 Description of emissions pathways to water

All emissions from companies that discharge directly are regarded as direct discharges into surface water. All emissions from companies that discharge indirectly are regarded as indirect discharges into the sewer system.

Discharges from companies that have their waste water treated collectively by the industrial waste water treatment plant (IWWTP) of another company are dealt with separately. They are regarded in their entirety as indirect, but are not allocated to the sewer system because the emissions do not end up in the sewer system. After treatment by the IWWTP the remaining pollutants are discharged directly into surface water.

8 Spatial allocation

The spatial allocation process distinguishes between companies that discharge directly (surface water) and those that discharge indirectly (sewer system), and also between emissions (at the source) and load to surface water (after eventual treatment).

In the case of companies discharging directly, the coordinates of the discharge point are the key factor in spatial allocation, both for emission and load to surface water.

In the case of companies discharging indirectly, emissions are included in the load to surface water via the effluents of urban waste water treatment plants.

9 Comments and changes in regard to previous version

Not applicable

10 Accuracy and indicated subjects for improvement

The method used in Emission Inventory publications has been followed as far as possible in classifying the quality of information [7]. It is based on the CORINAIR (CORe emission INventories AIR) methodology, which applies the following quality classifications:

- A: a value based on a large number of measurements from representative sources;
- B: a value based on a number of measurements from some of the sources that are representative of the sector;
- C: a value based on a limited number of measurements, together with estimates based on technical knowledge of the process;
- D: a value based on a small number of measurements, together with estimates based on assumptions;
- E: a value based on a technical calculation on the basis of a number of assumptions.

Element of emission calculation	Reliability classification
Emission and topping-up factors	D
Distribution among compartments	B
Emission pathways to water	B
Spatial allocation	B

No areas for improvement have as yet been identified for this method.

E-PRTR guideline

Companies with obligations under the E-PRTR were first designated in reporting year 2008. They are required to indicate the loads of substances covered by the directive in their electronic environmental annual report. This means that the survey of individual company emissions is now superfluous and will no longer be executed.

11 Request for reactions

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12 References

1. CBS. [Standaard Bedrijfsindeling 1993](#).
2. Most, P.F.J. van der et al., *Methoden voor de bepaling van emissies naar lucht en water*. Publicatierreeks Emissieregistratie, nr. 44, juli 1998.

Appendix 1: Emission sources for emissions into water from industry

Table showing emission sources for individual industrial emissions classified by target sector and sub-target sector

TARGET SECTOR	SUB-TARGET SECTOR	CODE EMISSION SOURCE	EMISSION SOURCE
Waste disposal	Waste disposal companies	T107001	Facilities NACE 75.1: public service activities
Waste disposal	Waste disposal companies	T107401	Facilities NACE 90021: waste treatment plants, collecting
Waste disposal	Waste disposal companies	T111201	Facilities NACE 90022: waste treatment plants, processing
Waste disposal	Waste disposal companies	T151301	Facilities NACE 90030: sanitation, remediation and similar activities
Waste disposal	preparation for recycling	T107000	Facilities NACE 37: recycling of metal and non-metal waste and scrap
Construction	Other construction industry	T107100	Facilities NACE 14: quarrying and mining
Construction	Other construction industry	T107200	Facilities NACE 45: construction
Chemical Industry	chemical Ind. (NACE:241 excluding 2415)	T101100	Facilities NACE 24.1: manufacture of other (in)organic basic chemicals
Chemical Industry	chemical Ind. (NACE:241 excluding 2415)	T104700	Facilities NACE 24.11: manufacture of industrial gasses
Chemical Industry	chemical Ind. (NACE:241 excluding 2415)	T102400	Facilities NACE 24.12: manufacture of dyes and pigments
Chemical Industry	chemical Ind. (NACE:241 excluding 2415)	T102500	Facilities NACE 24.13: manufacture of other inorganic basic chemicals
Chemical Industry	chemical Ind. (NACE:241 excluding 2415)	T102600	Facilities NACE 24.14: manufacture of other organic basic chemicals
Chemical Industry	chemical Ind. (NACE:241 excluding 2415)	T102800	Facilities NACE 24.16: manufacture of plastics in primary forms
Chemical Industry	chemical Ind.: pesticides (NACE:242)	T102900	Facilities NACE 24.2: manufacture of pesticides and other agro-chemical products
Chemical Industry	chemical Ind.: artificial fertilizers (NACE:2415)	T102700	Facilities NACE 24.15: manufacture of fertilizers and nitrogen compounds
Chemical Industry	chemical Ind.: other (NACE: 243 - 247)	T103000	Facilities NACE 24.3: manufacture of paints, varnishes and similar coatings, printing ink and mastics
Chemical Industry	chemical Ind.: other (NACE: 243 - 247)	T103100	Facilities NACE 24.4: manufacture of pharmaceutical preparations
Chemical Industry	chemical Ind.: other (NACE: 243 - 247)	T103200	Facilities NACE 24.5: manufacture of soap and detergents, cleaning and polishing preparations
Chemical Industry	chemical Ind.: other (NACE: 243 - 247)	T103201	Facilities NACE 24.61: manufacture of explosives
Chemical Industry	chemical Ind.: other (NACE: 243 - 247)	T103300	Facilities NACE 24.62: manufacture of glues and gelatines
Chemical Industry	chemical Ind.: other (NACE: 243 - 247)	T103400	Facilities NACE 24.63: manufacture of essential oils
Chemical Industry	chemical Ind.: other (NACE: 243 - 247)	T104500	Facilities NACE 24.64: manufacture of photographic chemical material
Chemical Industry	chemical Ind.: other (NACE: 243 - 247)	T103600	Facilities NACE 24.66: manufacture of other chemical products n.e.c.
Chemical Industry	chemical Ind.: other (NACE: 243 - 247)	T103700	Facilities NACE 24.7: manufacture of man-made fibres
Production and supply of drinking water	other drinking water	T106201	Facilities NACE 41: collection, purification and distribution of water
Energy Production	oil- gasrecovery - land	T107300	Facilities NACE 11: extraction (and related services) of crude oil and natural gasses
Energy Production	generate electricity	T108500	Facilities NACE 40: production of electricity
Energy Production	transport and distribution of oil and gas	T112200	Facilities NACE 23.202: manufacture of refined petroleum products-not oil refineries
Trade and services	other tsg	T107500	Facilities NACE 50: sale, maintenance and repair of motor vehicles and motorcycles; retail sale of automotive fuel
Trade and services	other tsg	T151100	Facilities NACE 51/52: retail and wholesale trade
Trade and services	other tsg	T155500	Facilities NACE 55.5: hotels, restaurants, pubs
Trade and services	other tsg	T106601	Facilities NACE 60: transportation by land
Trade and services	other tsg	T108700	Facilities NACE 61: transportation by water

Trade and services	other tsg	T108800	Facilities NACE 63: supporting transport activities
Trade and services	other tsg	T165200	Facilities NACE 65.2: other financial intermediation
Trade and services	other tsg	T165201	Facilities NACE 66: Insurance companies and pension funds
Trade and services	other tsg	T107400	Facilities NACE 70/74: renting and consultancy activities
Trade and services	other tsg	T107102	Facilities NACE 75.2: governmental institutions (defense activities excluded)
Trade and services	other tsg	T107101	Facilities NACE 75.22: foreign affairs and defense activities
Trade and services	other tsg	T107201	Facilities NACE 80/85: education and healthcare
Trade and services	other tsg	T107301	Facilities NACE 90.000: (excl 90022) environmental service providers
Trade and services	other tsg	T107601	Facilities NACE 92/93: culture, sports, leisure and other community services
Agriculture	agriculture other	T107600	Facilities NACE 01: agriculture, hunting and service providers
Other industries	bricks and roof tiles Ind. (NACE: 266)	T104300	Facilities NACE 26.4: manufacture of bricks, tiles and construction products, in baked clay
Other industries	basic metal (NACE:27)	T104601	Facilities NACE 27 (excluding 27.4 and 27.5): manufacture of basic iron and steel
Other industries	basic metal (NACE:27)	T104701	Facilities NACE 27.4: manufacture of non-ferrous metals
Other industries	basic metal (NACE:27)	T104901	Facilities NACE 27.5: manufacture of ferrous metals
Other industries	concrete and cement commodities Ind. (NACE:266)	T108300	Facilities NACE 26.6: manufacture of articles of concrete, plaster and cement
Other industries	printing industry (NACE : 222)	T105900	Facilities NACE 22: publishing activities
Other industries	woodcraft industry (NACE:20)	T109000	Facilities NACE 20: manufacture of wooden products
Other industries	industry other	T107602	Facilities NACE 05: Fishing, fish farming and related service activities
Other industries	industry other	T100200	Facilities NACE 15.2: processing and preserving of fish
Other industries	industry other	T105100	Facilities NACE 15.3: processing and preserving of fruit and vegetables n.e.c.
Other industries	industry other	T105200	Facilities NACE 15.4: manufacture of oils and fats
Other industries	industry other	T105400	Facilities NACE 15.6: manufacture of grain mill products
Other industries	industry other	T105500	Facilities NACE 15.7: manufacture of prepared feeds for (farm) animals
Other industries	industry other	T105600	Facilities NACE 15.8: manufacture of food products
Other industries	industry other	T100900	Facilities NACE 15.83: manufacture of sugar
Other industries	industry other	T101000	Facilities NACE 15.84: manufacture of cocoa, chocolate and sugar confectionery
Other industries	industry other	T105700	Facilities NACE 15.9: manufacture of soft drinks and other beverages
Other industries	industry other	T101200	Facilities NACE 15.96: manufacture (brewing) of beer
Other industries	industry other	T105800	Facilities NACE 16: manufacture of tobacco products
Other industries	industry other	T102101	Facilities NACE 23.1: manufacture of coke oven products
Other industries	industry other	T106900	Facilities NACE 36: manufacture of furniture
Other industries	leather Ind. (NACE:19)	T101800	Facilities NACE 19.1: tanning and dressing of leather
Other industries	leather Ind. (NACE:19)	T101701	Facilities NACE 19.2: manufacture of luggage, handbags and the like, saddlery and harness
Other industries	metal-electro (NACE:28 - 35)	T105001	Facilities NACE 28, excluding 28.51: manufacture of metal structures and parts of structures
Other industries	metal-electro (NACE:28 - 35)	T105101	Facilities NACE 28.51: treatment and coating of metals
Other industries	metal-electro (NACE:28 - 35)	T105201	Facilities NACE 29, 31 and 32: manufacture of various machinery, tools, electronic products and components

Other industries	metal-electro (NACE:28 - 35)	T137300	Facilities NACE 30/32: electrotechnical industries
Other industries	metal-electro (NACE:28 - 35)	T137400	Facilities NACE 33: manufacture of medical and dental instruments and supplies
Other industries	metal-electro (NACE:28 - 35)	T106600	Facilities NACE 34: manufacture of motor vehicles, trailers and semi-trailers
Other industries	metal-electro (NACE:28 - 35)	T105401	Facilities NACE 35.4: manufacture of motorcycles, bicycles, mopeds and invalid carriages
Other industries	metal-electro (NACE:28 - 35)	T108600	Facilities NACE 35 (excl 35.1 and 35.4): manufacture of transportation, not being motor vehicles, trailers or semi-trailers
Other industries	metal-electro (NACE:28 - 35)	T108400	Facilities NACE 35.1: building and repairing of boats
Other industries	other mineral-products industry (NACE: 268)	T104000	Facilities NACE 26.1 (excluding 26.12): manufacture and processing of glass, including technical glassware
Other industries	other mineral-products industry (NACE: 268)	T104100	Facilities NACE 26.12: shaping and processing of flat glass
Other industries	other mineral-products industry (NACE: 268)	T104200	Facilities NACE 26.2 and 26.3: manufacture of ceramic products
Other industries	other mineral-products industry (NACE: 268)	T109300	Facilities NACE 26.5: manufacture of cement, lime and plaster
Other industries	other mineral-products industry (NACE: 268)	T104501	Facilities NACE 26.8: manufacture of other non-metallic mineral products n.e.c.
Other industries	paper(commodities) (NACE:21)	T102100	Facilities NACE 21.1: manufacture of pulp and paper
Other industries	paper(commodities) (NACE:21)	T102200	Facilities NACE 21.2: manufacture of paperboard
Other industries	rubber and plastic Ind.(NACE:25)	T106000	Facilities NACE 25.1: manufacture of rubber products
Other industries	rubber and plastic Ind.(NACE:25)	T106100	Facilities NACE 25.2: manufacture of plastic products
Other industries	slaughterhouses/meat products (NACE:151)	T105000	Facilities NACE 15.1: processing and preserving of meat and poultry
Other industries	textile and carpet industries (NACE: 17,18)	T104800	Facilities NACE 17: manufacture of textile products
Other industries	textile and carpet industries (NACE: 17,18)	T101500	Facilities NACE 17.3: finishing of textiles
Other industries	textile and carpet industries (NACE: 17,18)	T101601	Facilities NACE 18: manufacture of clothing, dressing and dyeing of furs
Other industries	dairy industry (NACE:155)	T105300	Facilities NACE 15.5: operation of dairies and manufacture of cheese and icecream
Refineries	refining and processing of crude oil (NACE:232)	T102201	Facilities NACE 23.201: manufacture of refined petroleum products
Sewage and waste water treatment	wastewater treatment plant - procesemissions	T111300	Facilities NACE 90010: waste water treatment plants

Appendix 2

Interpolation of individual industrial emissions using the permanent set of companies

1 Introduction

The Netherlands Centre for Water Management uses the Access database REVIEW to store records of industrial emissions to surface water. This shows a downward trend for emissions over the course of one or more years for many companies. This may be because the facility was not operational or because a particular substance was not used in a particular year. A programme of work to plug as many gaps as possible in the time series was conducted in 2003, involving interpolation of individual industrial emissions.

In order to ensure that the project remained clear and feasible, it was decided to use only the benchmark years for the emission inventory and also to use a representative set of companies, the "permanent set of companies".

2 Creating the permanent set of companies

Not all the facilities recorded in the REVIEW database were suitable for interpolation. When the work started there were 2,067 facilities in the database, some of which had only been in existence for a year. The aim was to create a manageable and representative set of companies, the "permanent set of companies", covering the major sources of both direct and indirect discharge.

Looking at the companies appearing in REVIEW, we were able to identify three main groups: 1) companies required to submit environmental annual reports or companies who were party to particular agreements; 2) spearhead companies; and 3) companies covered by surveys of individual industrial emissions. The "permanent set of companies" is contained in appendix 3.

2.1 Companies covered by MJV obligations or party to agreements

All companies that supply load data via an electronic environmental annual report were added to the "permanent list of companies". There were 231 such companies in 2003. The number of companies filling in the electronic annual environmental reports is rising, and the figure for 2005 was 373. A slight decline occurred in 2006 when 338 annual environmental reports were filled.

2.2 Spearhead companies

A large number of companies discharging directly were monitored between 1985 and 1995 as part of the Rhine and North Sea surface water industrial emissions action plan. In 1985 and 1990 more than 90% of the total industrial emission of priority substances came from a small number of companies (65 in total, the 'spearhead companies'). The way these companies deal with emissions has now become a matter of national priority, and they are closely monitored by the Netherlands Centre for Water Management.

Some of these facilities which are still in existence are now subject to reporting requirements and submit electronic environmental annual reports, while others are covered by surveys. Further explanation of these facilities is given elsewhere, and they are all included in the permanent set of companies because REVIEW contains relatively complete data on their emissions.

2.3 Companies covered by surveys of emissions from individual companies

The survey covers mainly annual loads from companies that are not required to report to the Netherlands Centre for Water Management. As these facilities are not required to report, and the regional water management authority decides which facilities to investigate each year, the likelihood of (annual) data gaps is greater for these companies.

In 2003 the REVIEW database contained emission values for 1,497 companies for the benchmark years. We examined these companies to find out which of them, taken together, caused at least 95%

of the emissions. Companies covered by environmental annual reporting requirements or that are party to agreements (as described in 2.1) and spearhead companies (as described in 2.2) were excluded from this selection process as they were already in the permanent set of companies.

A cumulative calculation is carried out, starting with the highest annual loads for each substance, to determine which companies in the survey were responsible for 95% of the emissions. This method was applied to all the benchmark years (1990, 1995 and 2000), 2001 and 2002. The results for each benchmark year were added together to produce a representative sample of companies from the survey, totalling 457. Of these companies, 82 discharge directly and 424 indirectly.

The companies selected for the permanent set of companies from the survey were submitted to the water management authorities for checking.

3 Interpolation of annual data gaps in industrial emissions

The copying method was used to interpolate load data. This method was used in earlier years by FO-Industrie as well. In order to ensure that the values are as comparable as possible, the same method is also used to fill up the annual data gaps.

3.1 Method used to work out annual data gaps in industrial emissions

For companies where annual data gaps occurred in the benchmark years, we investigated the possibility of copying forward or back. The following rules were applied to ensure maximum clarity in copying:

Preference was given to copying forward, up to two years;

Copying back was done only if enough information was available for the preceding years (up to two years).

A cross-reference table with information on companies in particular years was created for the permanent set of companies to find out where the annual data gaps occurred. The number of substance load reports received was listed for each year (see table b1 below).

Data was only entered for the benchmark years, shown in bold in the table. The years printed in italics were compared to these to see whether it would be possible to copy from those years.

Table b1: Examples for copying annual data gaps

Company	Discharge type	1985	<i>1989</i>	1990	<i>1991</i>	<i>1994</i>	1995	<i>1996</i>	<i>1999</i>	2000	2001	2002
Company a	direct	3		4		5		4		5	5	5
Company b	indirect	5		5	6	6					8	7
Company c	indirect										11	10

The specimen table shows that no information is available for company a in benchmark year 1995. However, information is available for 1994 and 1996. Copying forward from 1994 therefore allows the box for 1995 to be completed in this case. For company b, no annual load data has been supplied for 1995 or 2000. It would be possible to complete the 1995 box by copying forward from 1994, and the 2000 box by copying back from 2001. Copying back is an option here because load values were submitted for this company in previous years. Copying back is not an option for company c because there is no information at all for previous years.

The process of tracking annual data gaps was carried out for the three types of companies mentioned above. The results of this operation are shown in the following sections.

3.2 Annual data gaps results for industrial emissions

The interpolation method and results are given in this section for the three separate types of companies.

Companies required to submit an MJV or that are party to agreements, via FO-Industrie

We attempted as far as possible to complement REVIEW data with information from the environmental annual reports submitted by companies required to submit such reports or covered by other agreements when carrying out the process of interpolation of industrial emissions by individual companies. Data on emissions to water from these environmental annual reports are submitted by companies themselves and are checked and where necessary corrected by water quality management authorities.

When the electronic environmental annual report was introduced in 2003, FO-Industrie submitted a large file containing all the data it had so far collected from company reports. This file was used as a basis for completing REVIEW.

Where no load data was to be found in this base file for a particular company for year X, we investigated whether any load data was available for that company via the survey, and added it to REVIEW. Where no load data was available from the survey, we considered the option of copying data forward or back, as described in section 3.1.

Spearhead companies and companies covered by surveys

For all other companies in the permanent set of companies the approach described in table b1 was used. In the case of companies for which no emission data was available in a benchmark year, we investigated whether any emission data was available for the years immediately before or after. It proved possible to copy data for a large number of companies back or forward to the benchmark years (1995, 2000, 2001 and 2002) from other years.

4 Interpolation of annual data gaps in substance loads

Once the annual data gaps in companies had been resolved, we could see more clearly where the data gaps in substance loads exist. The interpolation of substance loads is discussed in section 4.

4.1 Approach to annual data gaps in substance loads

A cross-reference table was created for each company in the permanent set of companies, with substances in the left column and years in the top row. This allowed us to easily recognize the data gaps in substance loads.

Wherever possible these data gaps were completed using information from the water management authority. In the absence of such data, substance load information was copied forward or back, applying the same principle as with the annual data gaps in companies (giving preference to copying forward and only copying back if enough information was available for preceding years). A maximum time limit of two years was set for both procedures. The substance loads which were copied are shown against a grey background in table b2.

table b2: Examples of substance load values copied back and forward

substance name review	1998	1999	2000	2001	2002
arsenic	8.2	13.5	7	8.4	8.4
cadmium	0	1.18	1.18	0.93	0.93
chloride	1002000	1000000	974000	974000	874000
chromium	12	31.5	9.7	9.7	9.7
Kjeldahl N	42490		42490	28800	28800
mercury			not	0.28	0.28
lead	0		28.1	19.5	19.5
nickel	45	22.5	22.5	14.9	14.9

4.2 Results for annual data gaps in substance loads

The final results for the number of substance loads per year for each origin are shown in table b3. Little data was copied for 1985 and 1990. The information for these companies in the database is relatively complete. It is only since 1995 that substance load data started to be copied to REVIEW. The results are not presented in this appendix because it is difficult to draw a distinction in terms of annual loads and substance loads.

5 Recording copied material in the database

All copied annual load data added to the REVIEW database is marked with a code.

- data copied forward:
01xx, codes starting with 01 and ending with the last two digits of the year from which the material was copied;
- data copied back
02xx, codes starting with 02 and ending with the last two digits of the year from which the material was copied.

6 Final result of interpolation

Table b3 shows the final result of the interpolation of industrial emissions from individual companies for those companies that feature in the permanent set of companies. The annual loads in the database of companies that do not appear in the permanent set of companies are not suitable for interpolation and so are not reported in the table.

Values for the period from 2003 to 2005 are also shown in the table in order to reflect the effect of interpolation for more recent years.

Table b3: Final result for annual load quantities derived from the interpolation of industrial emissions from individual companies

Year	Copy	MJV/agreement	Water Authorities	Total
1985	0	1734	1410	3144
1990	0	0	1822	1822
1995	870	557	4011	5438
2000	818	2515	3412	6745
2001	411	2578	3934	6923
2002	1960	2701	2996	7657
2003	1262	2947	3386	7595
2004	1133	3673	2802	7608
2005	988	3563	2784	7335
2006	1820	3389	1764	6973

The results of the interpolation process were submitted to the water authorities

Appendix 3 Permanent set of companies

code	company name	source	comment	final date
60	SAPPI MAASTRICHT BV	FOI		
62	DSM LIMBURG BV (CHEMELOT)	FOI		
65	INEOS SILICAS NETHERLANDS BV	FOI		
66	MEERSSEN PAPIER BV	FOI		
84	CIBA SPECIALITY CHEMICALS MAASTRICHT BV	FOI		
90	GLOBON BV	FOI		
113	NETHERLANDS CAR BV (NEDCAR)	FOI		
148	ENCI-MAASTRICHT BV	FOI		
151	BSN GLASSPACK NV MAASTRICHT	FOI		
159	JOHNSON MATTHEY BV	FOI	from 2005	
159	JOHNSON MATTHEY BV	FOI	from 2005	
174	HOOGOVENS BUIZEN BV	FOI	from 2005	
325	EKA CHEMICALS BV	FOI	from 2005	
1102	HONEYWELL FLUORINE PROD.EUR.BV	FOI		
1104	SOLVAY CHEMIE BV	FOI		
1107	AKZO NOBEL CHEMICALS	FOI	from 2005	
1404	DSM FINE CHEMICALS NEDERLAND BV	FOI	from 2005	
3004	NEDRI SPANSTAAL BV	FOI	from 2005	
3507	DE GLOBE BV	FOI		
3509	DE GLOBE BV	FOI	from 2005	
3513	GIESSEN TEGELEN	FOI		
3853	ALUMAX EXTRUSIONS BV	FOI	from 2006	
4001	ESSENT ENERGIE PRODUCTIE BV CLAUSCENTRALE	FOI		
4301	KAPPA ROERMOND PAPIER BV	FOI		
4753	ROCKWOOL LAPINUS BV	FOI		
5727	UNION MINIERE OXYDE NEDERLAND	FOI	from 2005	
5729	VINAMUL BV	FOI		
5740	VAN HOUTUM PAPIER BV	FOI		
5746	DEMKOLEC PWA CENTRALE	FOI		
5750	CAMPINA HOLLAND CHEESE BV BORN	FOI	from 2005	
5804	CHEMIELIM NV.	FOI		
5822	DEPRON BV	FOI	from 2006	
9014	ESSENT PRODUCTIE GELEEN (SWENTIBOLD)	FOI		
10001	AKZO NOBEL BASE CHEMICALS BV (BOTLEK)	FOI		
10002	NESTE RESINS BV	FOI		2002
10003	DSM RESINS BV	FOI		
10004	LYONDELL CHEMIE NEDERLAND LTD	FOI		
10005	LBC ROTTERDAM BV	FOI		
10006	SHELL NEDERLAND CHEMIE BV	FOI		
10011	LEERDAMMER COMPANY BV	FOI	from 2005	
10012	KEMIRA AGRO PERNIS BV	FOI		2002
10013	HYDRO AGRI ROTTERDAM BV	FOI		2002
10016	CLIMAX MOLYBDENUM BV	FOI	from 2005	
10017	CARBON BLACK NEDERLAND BV	FOI	from 2005	

code	company name	source	comment	final date
10018	HUNTSMAN ICI HOLLAND BV	FOI		
10042	CYTEC MANUFACTURING BV	FOI		
10057	SHELL NEDERLAND RAFFINADERIJ BV	FOI		
10058	NETHERLANDS REFINING COMPANY (NEREFCO) EUROPOORT S	FOI		
10059	KUWAIT PETROLEUM EUROPOORT BV (KPE)	FOI		
10061	ESSO NEDERLAND BV RAFFINADERIJ ROTTERDAM	FOI		
10062	EXXON CHEMICAL HOLLAND BV (RAP)	FOI		
10063	NV.AFVALVERWERKING RIJNMOND	FOI		
10064	ALCOA CHEMIE NEDERLAND BV	FOI	from 2006	
10066	KEMIRA CHEMICALS BV	FOI		2000
10073	KERR MCGEE PIGMENTS (HOLLAND) BV	FOI		
10076	GEVUDO AFVALVERWERKING N.V.	FOI		
10078	FUNDIA NEDSTAAL BV	FOI		
10079	DU PONT DE NEMOURS (NED.) BV	FOI		
10082	AKZO NOBEL CAR REFINISHES BV	FOI	from 2005	
10086	NUTRICIA NV, ZOETERMEER	FOI	from 2005	
10095	DELFT GELATIN BV	FOI		
10097	UNIMILLS BV	FOI		
10100	BORDEN CHEMICAL HOLLAND LTD (BCH)	FOI		
10589	CAMPINA NEDERLAND	FOI	from 2006	
10590	CAMPINA MELKUNIE ROTTERDAM	FOI	from 2005	
10615	ENCI-ROTTERDAM BV	FOI	from 2005	
10621	HUNTER DOUGLAS EUROPE BV	FOI	from 2005	
10687	DSM GIST BV	FOI		
10689	AIR PRODUCTS NEDERLAND BV (BOTLEK)	FOI	from 2005	
10698	UNIQEMA	FOI		
10722	BSN GLASSPACK BV SCHIEDAM	FOI		
10723	BSN GLASSPACK NV LEERDAM	FOI		
10728	CARGILL BV,HARDINGS-DIVISIE	FOI		
10738	ATOFINA ROTTERDAM BV / ELF ATOCHEM AGRI BV	FOI		
10793	CORUS BUIZEN BV	FOI	from 2005	
10815	AVR AFVALVERWERKING ROTTERDAM	FOI		
10829	SUIKER UNIE	FOI		
10921	ROTTERDAM UNITED DOCKYARD BV	FOI		
10928	ALUMINIUM & CHEMIE ROTTERDAM BV	FOI		
10971	FERRO (HOLLAND) BV (HS)	FOI		
10972	FERRO (HOLLAND) BV (IW)	FOI	from 2005	
11024	CABOT BV (BOTLEK)	FOI	from 2005	
11090	ODFJELL TERMINALS ROTTERDAM BV	FOI		
11105	HEINEKEN NEDERLAND BV	FOI		
11111	HERCULES BV	FOI		
11230	KEPPEL VEROLME B.V.	FOI	from 2006	
11366	DSM SPECIAL PRODUCTS ROTTERDAM BV	FOI		
12134	ARCHER DANIELS MIDLAND EUROPOORT BV (ADM)	FOI		
12135	EXXON CHEMICAL HOLLAND INC. (ROP VAN RPI)	FOI		
12147	E.ON GENERATIONS GALILEISTRAAT	FOI		

code	company name	source	comment	final date
12149	E.ON GENERATIONS MAASVLAKTE	FOI		
12150	E.ON GENERATIONS ROCA	FOI		
12157	ZAVIN	FOI	from 2006	
12158	DRSH ZUIVERINGSSLIB N.V.	FOI		
12162	CALDIC EUROPOORT BV	FOI		
12168	DU PONT DE NEMOURS (NEDERLAND) BV / ROZENBURG WO	FOI		
12170	CAMPINA MELKUNIE, MAASDAM	FOI	from 2005	
12171	CAMPINA HOLLAND CHEESE	FOI	from 2005	
12172	NESTLE NEDERLAND BV GORINCHEM	FOI		
12174	DOMO PROOYLENE BV	FOI		
12175	AIR LIQUIDE INDUSTRIE BV	FOI	from 2006	
12176	AIR PRODUCTS NEDERLAND BV (PERNIS)	FOI	from 2005	
12177	KOCH H.C.PARTNERSHIP BV	FOI	from 2006	
12183	KOCH HC PARTNERSHIP BV ZIE 12177	FOI		2002
13001	TESSENDERLO CHEMIE ROTTERDAM BV	FOI		
19004	EXXON CHEMICAL HOLLAND INC. (RPP VAN RPI)	FOI		
19021	ESA/ESTEC	FOI		
19070	VORDIAN EUROPOORT BV	FOI		
19071	SHIN-ETZU PVC BV (BOTLEK)	FOI		
19072	FRIESLAND COBERCO	FOI	from 2005	
19073	RESOLUTION NEDERLAND BV, PERNIS	FOI	from 2005	
19074	NUFARM BV	FOI	from 2005	
21010	CROMPTON BV	FOI	from 2005	
21011	CINDU CHEMICALS BV EN NEVCIN POLYMERS BV	FOI		
21101	ALBEMARLE CATALYSTS COMPANY BV	FOI		
21102	AMSTERDAM FERTILIZERS BV	FOI		
21103	DSM AGRO BV	FOI		
21104	GE PLASTICS ABS BV	FOI		2002
21301	UNIROYAL CHEMICAL EUROPE BV	FOI		
21302	SOLVAY PHARMACEUTICALS BV	FOI	from 2005	
21304	QUEST INTERNATIONAL NEDERLAND BV	FOI	from 2005	
21403	NORIT NEDERLAND BV	FOI	from 2005	
21404	MEYPRO BV	FOI	from 2005	
21528	GASUNIE COMPRESSORSTATION WIERINGERMEER	FOI	from 2006	
21530	MOBIL CHEMICAL AMSTERDAM INC	FOI	from 2005	
22002	CAMPINA MELKUNIE, HEILOO	FOI	from 2005	
22006	CAMPINA MELKUNIE BV, LUTJEWINKEL	FOI	from 2005	
22008	KONINKLIJKE KAASFABRIEK EYSSSEN VOF	FOI	from 2005	
22010	DMV INTERNATIONAL, LOCATIE UITGEEST	FOI		
22011	CONO KAASMAKERS	FOI	from 2005	
22012	CONO BEEMSTER V.O.F.	FOI	from 2005	
22020	CAMPINA MELKUNIE HILVERSUM	FOI	from 2005	
22602	AMYLUM NEDERLAND BV	FOI		
22617	CARGILL BV (SOJA)	FOI		
22626	CARGILL (MULTI SEED)	FOI		
23301	CORUS IRON SERVICES IJMUIDEN BV	FOI		

code	company name	source	comment	final date
24000	RELIANT ENERGY HEMWEG	FOI		
24002	RELIANT ENERGY DIEMEN	FOI		
24003	RELIANT ENERGY VELSEN	FOI		
24007	WARMTEKRACHTCENTRALE PURMEREND	FOI	from 2006	
24302	CROWN VAN GELDER PAPIERFABRIEKEN N.V.	FOI		
24605	FORBO-LINOLEUM BV	FOI	from 2006	
24606	BN-INTERNATIONAL BV	FOI	from 2005	
24714	ENCI IJMUIDEN BV	FOI		
28070	WITMETAAL BV	FOI	from 2005	
28072	QUAKER CHEMICAL BV	FOI	from 2005	
28085	GEMEENTETELIJKE DIENST AFVALVERWERKING	FOI		
28085	GEMEENTETELIJKE DIENST AFVALVERWERKING	FOI	from 2006	
28087	NV LUCHTHAVEN SCHIPHOL	FOI		
28091	N.V. HUISVUILCENTRALE N-H	FOI		
28094	HOEK LOOS IJMUIDEN	FOI	from 2005	
28095	CAMPINA MELKUNIE BV, ALKMAAR	FOI	from 2006	
28096	FRICO CHEESE HUIZEN	FOI	from 2005	
28097	SCHIPPER KAAS, ZAANDAM	FOI	from 2005	
28098	ECOMEL BIOLOGISCHE ZUIVEL BV	FOI	from 2005	
28175	WAELES NEDERLAND BV	FOI		
28176	RELIANT ENERGY IJMOND	FOI		
28177	SHIPDOCK AMSTERDAM BV	FOI		
28183	PVS CHEMICALS HOLLAND BV	FOI		2004
31311	SOLVAY PHARMACEUTICALS	FOI	from 2005	
31322	QUEST INTERNATIONAL NED. BV	FOI	from 2005	
31402	SC JOHNSON EUROPLANT BV	FOI		
34108	PHARR HOLLAND BV	FOI		
34111	LANTOR BV	FOI	from 2006	
39103	ERU KAASFABRIEK BV, WOERDEN	FOI	from 2005	
39111	NEDAL ALUMINIUM BV	FOI	from 2005	
41003	SHELL NED. CHEMIE BV	FOI		
41101	GENERAL ELECTRIC PLASTICS BV	FOI		
41102	AKZO NOBEL RESINS BV	FOI	from 2005	
41103	NOVA CHEMICALS NETHERLANDS BV	FOI		
41106	IFF NEDERLAND BV	FOI	from 2005	
41108	CALDIC CHEMIE PRODUCTIE BV	FOI	from 2005	
41307	AKZO NOBEL PHARMA, MOLENEIND	FOI		
41402	TROBAS GELATINE BV	FOI		
41428	AVECIA NEORESINS BV	FOI	from 2005	
41429	STAHL HOLLAND BV	FOI		
41521	AFVALST.TERMINAL MOERDIJK BV	FOI	from 2005	
42019	MENKEN DAIRY FOOD BV	FOI	from 2005	
42022	NUTRICIA CUIJK BV	FOI	from 2005	
42034	D.M.V. INTERNATIONAL	FOI		
42309	CSM SUIKER BV, FABR."WITTOUCK"	FOI		
42310	COOP.VERENIGING SUIKERUNIE U.A	FOI		

code	company name	source	comment	final date
42313	SENSUS OPERATIONS CV	FOI		
42408	BAVARIA BV	FOI		
42629	CERESTON A CARGILL COMPANY BV	FOI		
42834	RENDAC SON BV	FOI		
43002	ROBUR BUIZENFABRIEK BV	FOI		
43003	CORUS TUBES, UNITS S&C EN A&E CONTIFLIO	FOI	from 2005	
43011	J.H. DE WIT EN ZONEN BV	FOI	from 2005	
43012	THIBODRAAD/ZWIJSEN DRAADSERVICE BV	FOI	from 2005	
43013	PASMINCO BUDEL ZINK BV	FOI		
43403	DAF TRUCKS N.V.	FOI		
43511	WARTSILA PROPULSION NETHL. BV	FOI	from 2005	
43513	OUTOKUMPU COPPER LDM NED. BV	FOI		
43513	OUTOKUMPU COPPER LDM NED. BV	FOI	from 2006	
43856	ALCOA EUROPE LOCATIE DRUNEN	FOI		
44004	E.E.P. BV (AMERCENTRALE)	FOI		
44007	SITA REENERGY	FOI		
44009	AZN AFVALVERBRANDING Z-NED.NV	FOI		
44162	VLISCO HELMOND BV	FOI		
44171	KON.TEXTIELFABR.RAYMAKERS BV	FOI		
44303	SCA HYGIENE PRODUCTS BV	FOI		
44772	REXAM GLASS DONGEN BV	FOI		
44773	ISOVER BV	FOI		
47001	N.V.SLIBVERWERKING NRD.BRABANT	FOI		
48002	UNIPOL HOLLAND BV	FOI		
48018	FUJI PHOTO FILM BV	FOI		
48020	CNC MOERDIJK	FOI		
48022	DR. W. KOLB NEDERLAND BV	FOI	from 2005	
48023	CAMPINA INTERNATIONAAL BV	FOI		
48024	GEORGIA-PACIFIC NEDERLAND BV	FOI		
48025	OSSFLOOR TAPIJTFABRIEKEN BV	FOI		
48029	CAMPINA MELKUNIE EINDHOVEN	FOI	from 2005	
48031	CAMPINA MELKUNIE DEN BOSCH	FOI	from 2005	
48040	CAMPINA HOLLAND CHEESE	FOI	from 2005	
48051	KBM MASTER ALLOYS	FOI	from 2006	
48055	J.VAN DEN ACKER TEXTIELFABR.BV	FOI	from 2005	
48074	FRICO NEDERLAND, RAAMSDONKSVEER	FOI	from 2005	
48125	SCELLENS BV	FOI		
48147	VAN OERLE ALBERTON BV	FOI		
48156	PUIJENBROEK TEXTIELFABRIEK BV	FOI		
48161	ATM (MOORS)	FOI		
49005	BONTJE KAAS	FOI	from 2006	
49006	E.E.P. - WKC MOERDIJK	FOI		
49010	BASELL BENELUX BV	FOI		
49017	AKZO NOBEL PHARMA, DIOSITE	FOI		
49027	FRIESLAND MADIBIC FOODSERVICE	FOI		
51101	EASTMAN CHEMICAL MIDDELBURG BV	FOI		

code	company name	source	comment	final date
51102	ZUID CHEMIE BV	FOI		
51104	DOW BENELUX N.V.	FOI		
51105	HYDRO AGRI SLUISKIL BV /HYDROGAS	FOI		
51106	HOECHST HOLLAND NV (VLISSINGEN)	FOI		2000
51107	ELF ATOCHEM VLISSINGEN BV	FOI		
51404	BROOMCHEMIE BV	FOI	from 2005	
51501	TOTAL RAFFINADERIJ NEDERLAND N.V.	FOI		
52612	DOW BENELUX N.V.	FOI		
53129	KONINKLIJKE SCHELDE GROEP BV LOCATIE VLISSINGEN-	FOI		
53504	PECHINEY NEDERLAND N.V.	FOI		
54001	ESSENT ENERGIE PRODUCTIE BV KOLENEENHEID CENTRALE	FOI	from 2006	
56118	KOSA NETHERLANDS BV	FOI		
56119	INDUSTRIAL PARK VLISSINGEN BV	FOI		
56120	MARE CHEMICALS VLISSINGEN BV	FOI		
56121	THERMPHOS INTERNATIONAL BV	FOI		
56128	AIR LIQUIDE TECHNISCHE Gassen	FOI	from 2005	
61302	DIOSYNTH BV	FOI	from 2005	
61404	BVLUXAN	FOI	from 2005	
61411	SMITS VUREN BV	FOI		
61418	SACHEM EUROPE BV	FOI	from 2005	
61423	BASF NEDERLAND BV	FOI		2003
61424	INDUSTRIEPARK KLEEFSE WAARD BV	FOI		
61426	NOVIANT BV	FOI	from 2006	
61436	GIVAUDAN ROURE BV	FOI	from 2005	
62006	FRICO CHEESE, VARSEVELD	FOI	from 2005	
62009	FRIESLAND COBERCO LOCHEM	FOI		
62010	NESTLE NEDERLAND BV, NUNSPREET	FOI	from 2005	
62013	FRICO CHEESE, STEENDEREN	FOI	from 2005	
62016	FRICO CHEESE, WINTERSWIJK	FOI		
62025	BORCULO DOMO INGREDIENTS, BORCULO	FOI		
62027	COBERCO ZUIVEL, ARNHEM	FOI	from 2006	
62031	COBERCO ZUIVEL, NYKERK	FOI	from 2005	
62932	LATENSTEIN ZETMEEL BV	FOI		
63003	HOOGOVS BUIZEN BV	FOI	from 2005	
63012	OUTOKUMPU COPPER STRIP BV	FOI		
63504	GIETRIJ DOESBURG BV	FOI	from 2006	
63505	NED.IJZERGIEET.VULCANUS BV (DT)	FOI	from 2005	
63509	LOVINK TERBORG BV	FOI		
63524	LINCOLN SMITWELD BV	FOI	from 2005	
63601	ALCOA NEDERLAND BV	FOI	from 2005	
64001	ELECTRABEL NEDERLAND NV CENTRALE GELDERLAND	FOI		
64004	AVR AVIRA COMPOSTERING	FOI	from 2005	
64005	ARN BV-AFVALVERW.REGIO NYMEGEN	FOI	from 2000	
64302	FAVINI APELDOORN BV	FOI		
64304	PAPIERFABRIEK DOETINCHEM BV	FOI		
64307	PAPIERFABRIEK SCHUT BV	FOI	from 2005	

code	company name	source	comment	final date
64308	SAPPI NIJMEGEN BV	FOI	from 2006	
64335	SCA PACKAGING DE HOOP BV	FOI		
64345	MAYR-MELNHOF EERBEEK BV	FOI		
64353	STORA ENSO BERGHUIZER PAPIERFABRIEK N.V.	FOI		
64354	VHP VEILIGHEIDPAPIERFABRIEK UGHELEN BV	FOI	from 2005	
64360	PARENCO BV	FOI		
64633	RECTICEL NEDERLAND BV	FOI	from 2005	
64735	GLAVERBEL NEDERLAND BV	FOI		
66201	W.A. SANDERS PAPIERFABRIEK COLDENHOVE BV	FOI		
66206	BAYER TANATEX BV (SYBRON CHEMIE NEDERLAND BV)	FOI	from 2005	
66220	SMURFIT SOLIDPACK BV	FOI		
66239	MEAD JOHNSON BV	FOI	from 2005	
66253	ST. MESTV. GELDERLAND (SMG) / KGBI STROE	FOI		
66323	ST. MESTV. GELDERLAND (SMG) / KGBI EDE	FOI		
66325	ST. MESTV. GELDERLAND (SMG) / KGBI ELSPEET	FOI		
66325	ST. MESTV. GELDERLAND (SMG) / KGBI ELSPEET	FOI		
66326	ST. MESTV. GELDERLAND (SMG) / KGBI PUTTEN	FOI		
66355	PFW AROMA CHEMICALS BV	FOI	from 2005	
69007	SEALED AIR BV	FOI	from 2005	
69033	VIKA BV, EDE	FOI	from 2005	
69039	VEROSOL FABRICS BV	FOI	from 2005	
69067	AMV EIBERGEN BV	FOI		
71102	SASOL SERVO BV	FOI		
71103	AKZO NOBEL CHEMICALS BV, LOKATIE DEVENTER	FOI	from 2005	
71105	AKZO NOBEL CHEMICALS BV	FOI		
71301	SOLVAY PHARMACEUTICALS BV	FOI	from 2005	
72016	KAASFABRIEK SALLAND	FOI	from 2005	
72024	NUTRICIA LYEMPF BV, KAMPEN	FOI	from 2005	
72027	C.F.M."DE VECHTSTREEK"	FOI		
72030	OMEFA / LEO DE WINTER	FOI		2004
73239	SCANIA NEDERLAND BV	FOI		
73502	NEFIT INDUSTRIAL BV	FOI	from 2006	
73508	ALUMINIUM HARDENBERG BV	FOI	from 2005	2006
74003	ELECTRABEL NEDERLAND NV CENTRALE HARCULO	FOI		
74120	TEN CATE PROTECT BV	FOI		
74138	AMES EUROPE ENSCHEDE BV	FOI	from 2006	
74154	TEN CATE TECHNICAL FABRICS BV	FOI		
74634	WAVIN NEDERLAND BV	FOI	from 2006	
75305	TWENCE BV	FOI		
75306	VAN HEEK SCHOLCO INTERNATIONAL	FOI		
75316	FABER VLGPDUKTIE BV	FOI	from 2005	
75342	COBERCO KAAS	FOI	from 2005	
75345	CRILUX BV	FOI	from 2005	2006
75349	CZ "ROUVEEN KAASSPECIALITEITEN"	FOI	from 2005	
81103	NORIT NEDERLAND BV	FOI	from 2005	
81104	D.O.C. KAAS, HOOGEVEEN	FOI		

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81105	DIOLEN INDUSTRIAL FIBERS	FOI		
81202	DSM RESINS INTERNATIONAL BV	FOI		
81205	WELLMAN BV	FOI	from 2006	
82002	BORCULO DOMO INGREDIENTS, BEILEN	FOI		
82603	AVEBE B.A. LOCATIE GASSELTERNIJVEEN	FOI		
83019	FRICO CHEESE, ASSEN	FOI	from 2005	
84808	KAPPA TRITON BV	FOI		
84999	ZUIVELFABRIEK "DE KIEVIT" BV	FOI	from 2005	
85002	ESSENT MILIEU WIJSTER (EMW)	FOI		2006
85003	DSM ENGINEERING PLASTICS	FOI		
85005	FRICO CHEESE, MEPPEL	FOI	from 2005	2006
92001	FRICO CHEESE, GERKESKLOOSTER	FOI	from 2005	
92004	NESTLE NEDERLAND BV, BOLSWARD	FOI	from 2005	
92008	NESTLE NEDERLAND BV, SCHARSTERBRUG	FOI	from 2006	
92012	FRIESLAND CONSUMER PRODUCTS LEEUWARDEN	FOI		
92015	FRICO CHEESE, DRONRIJP	FOI	from 2005	
92016	FRICO CHEESE OOSTERWOLDE	FOI	from 2005	2006
92018	COOP.ZUIVELF.ZUID-OOST HOEK	FOI	from 2006	
92020	CZI DE ZUID-OOST-HOEK B.A.	FOI		2004
92030	FRICO CHEESE, WORKUM	FOI		
92615	SONAC BURGUM BV	FOI		
94003	ELECTRABEL NEDERLAND NV CENTRALE BERGUM	FOI		
94301	HUHTAMAKI NEDERLAND BV (LEOPACK BV)	FOI		
94304	PAPIERFABRIEK "FRIESLAND"	FOI		
94706	JOHNSON POLYMER BV	FOI		
101002	ACHESON PRODUKTIE BV EN ACHESON COLLOIDEN BV	FOI	from 2005	
101103	METHANOR V.O.F.	FOI		
101104	DOW BENELUX N.V.	FOI		
101105	PQ EUROPE, SITE WINSCHOTEN	FOI	from 2005	
101108	PPG CHEMICALS BV	FOI	from 2005	
101403	ROHM AND HAAS BV	FOI	from 2005	
101404	DELAMINE BV	FOI	from 2005	
101405	PPG INDUSTRIES FIBER GLAS BV	FOI		
101408	NEDMAG INDUSTRIES MINING & MANUFACTURING BV	FOI		
101515	GASUNIE SPIJK	FOI	from 2006	
102001	FRIESLAND COBERCO DAIRY FOODS, BEDUM	FOI	from 2006	
102008	RESINA CHEMIE BV	FOI	from 2005	
102301	SUIKER UNIE	FOI		
102302	CSM SUIKER BV	FOI		
102615	AVEBE B.A. LOCATIE DWM VEENDAM	FOI		
102620	AVEBE B.A. LOCATIE TER APELKANAAL	FOI		
102621	AVEBE B.A. LOCATIE FOXHOL	FOI		
103009	KBM MASTER ALLOYS BV	FOI	from 2005	
103010	ALUMINIUM DELFZIJL BV	FOI		
104001	ELECTRABEL NEDERLAND NV EEMSCENTRALE	FOI		
104003	DELESTO BV	FOI	from 2006	

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104301	DE EENDRACHT KARTON	FOI		
104302	SMURFIT DE HALM KARTON BV	FOI		
104304	KAPPA GRAPHIC BOARD BV	FOI		1998
104305	KAPPA GRAPHIC BOARD BV	FOI		
104307	KAPPA TRITON BV	FOI		
104311	KAPPA ATTICA BV (LOCATIE KM1 EN KM4)	FOI		
104521	FRICO CHEESE, WOLVEGA	FOI	from 2005	
104527	FRIESE ECOLOGISCHE ZUIVELFABRIEK	FOI	from 2005	
104710	ELEKTROSCHMELZWERK DELFZIJL BV	FOI	from 2005	
105001	DYNEA BV	FOI		
105004	TEIJIN TWARON DELFZIJL	FOI		
105006	TRELLEBORG BV	FOI	from 2005	
105007	FRICO CHEESE, MARUM	FOI	from 2005	
105014	BRUNNER MOND (NETHERLANDS)	FOI	from 2005	
105016	AKZO NOBEL CHEMICALS BV (CHEMIE PARK DELFTZIJL)	FOI		
105019	FRIESCHE VLAG GRONINGEN	FOI	from 2005	
105026	NOORDGASTRANSPORT BV	FOI		
105027	KYOWA CHEMICAL INDUSTRY	FOI		
114001	ELECTRABEL NEDERLAND NV FLEVOCENTRALE	FOI		
114002	ELECTRABEL NEDERLAND NV CENTRALE ALMERE	FOI		
114711	YAKULT NEDERLAND BV	FOI	from 2005	
114720	VETSMELTERIJ C.M. BOSLAND BV	FOI		
114744	ELSTA BV & CO. C.V.	FOI	from 2006	
114746	N.V. LUCHTHAVEN LELYSTAD	FOI	from 2005	
114747	GASUNIE LNG	FOI	from 2006	
114753	CAMPO INTERNATIONAL BV	FOI	from 2005	
114755	DITAR HASSELT	FOI	from 2006	
114757	EUROGEN CV	FOI	from 2005	
114760	GARENVEREDELING AALTEN BV	FOI	from 2006	
114762	INTERCARPET BV	FOI	from 2005	
114770	QUADRANT EPP NEDERLAND BV	FOI	from 2006	
114772	FENNER DUNLOP	FOI	from 2006	
114820	LUCITE INTERNATIONAL	FOI	from 2005	
114824	SHIN-ETSU PVC BV (PERNIS)	FOI	from 2005	
115026	DOKKUMER VLAGGEN CENTRALE BV	FOI	from 2005	
115036	LYONDELL BAYER MAASVLAKTE MANUFACORING VOF	FOI	from 2005	
115079	RINOS BV	FOI	from 2005	
115143	FRICO CHEESE LEERDAM	FOI	from 2006	
115155	AVEBE B.A. LOCATIE LATENSTEIN	FOI	from 2006	
115180	APT KURVERS BV	FOI	from 2006	
115181	RIJNMOND ENERGIE	FOI	from 2005	2005
115182	MESTDROGERIJ HUBUN	FOI	from 2006	
115185	DOC KAAS (ZUIVELPARK)	FOI	from 2006	
115186	NU3 BV	FOI	from 2005	
200155	K H de Jong	FOI	from 2006	
200407	COATEX Netherlands BV	FOI	from 2006	

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200692	VAM Moerdijk BV	FOI	from 2006	
200781	Ovako Wire BV	FOI	from 2006	
201237	Invista	FOI	from 2006	
202824	NUON MERWEDEKANAAL	FOI		
202825	NUON LAGE WEIDE	FOI		
72	BRAND BIERBROUWERIJ BV	CIW		
129	ANKERSMIT MAALBEDRIJVEN BV	CIW		
173	TRIC.FABR.KAT.SPIN.ROSITTA BV	CIW		2005
199	DECO-TRICOT INTERNATIONAL	CIW		
229	LIEBEN MINERALS	CIW		
324	TREGA INTERNATIONAL BV	CIW		
1405	EDELCEMIE PANHEEL BV	CIW		
2610	HENDRIX VOEDERS BV (HEIJEN)	CIW		
2802	DUMECO WEERT	CIW		
2903	NESTLE NEDERLAND BV (OOSTRUM)	CIW		
3062	VERZINKERIJ VAN AERT BV	CIW		
3108	METAALWARENFABRIEK VENLO BV	CIW		
3601	RANK XEROX MAN NED.BV	CIW		
3804	VIASYSTEMS MOMMERS BV	CIW		2005
3937	ARCENSE METAALINDUSTRIE AMI BV	CIW		
3942	GALVANISCH BEDRYF JACOBS BV	CIW		
4410	ROTO SMEETS WEERT BV	CIW		
4615	FACILITIES WETERING BV	CIW		
4751	NEDERLANDSE STEENSLAG INDUSTR.	CIW		
5501	RADIUM FOAM BV	CIW		
5747	VAN GANZEWINKEL BV	CIW		
5754	BREDOX BV	CIW		
5767	SOFT DRINK INTERNATIONAL BV	CIW		
5771	BV ARNOLD MAASSEN HIT	CIW		
5783	ARCENSE BIERBROUWERIJ	CIW		
5784	SMEETS COENEN BV	CIW		
5786	HEEMEX BV	CIW		
5791	RSB LOGISTIC SERVICES	CIW		
5793	VAN HEUR BEHEER BV	CIW		
5796	CARGILL BV MALT DIVISION	CIW		
5797	PRINTEL BV	CIW		1997
5799	GEBR.LANGEN TRANSPORTBEDRF.BV	CIW		
5800	RUTTE RECYCLING BV	CIW		
5801	HERO SCHIFFERS FOOD BV	CIW		
5802	GEBR.BENEDIK ABATTOIR CV.	CIW		
5815	NSI HOLLAND BV	CIW		
9002	ACAD.ZIEKH.MAASTRICHT 801698	CIW		
9009	HOLCO BV	CIW		
9012	DE FRITESSPECIALIST BV	CIW		
9013	DIS BV	CIW		
9015	J.W. LIMPENS & ZN BV	CIW		

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10000	ALPHEN RECYCLING BV	CIW		
10035	TEAM TERMINAL BV	CIW		
10048	COMPAXO BV	CIW		2004
10060	NEREFCO PERNIS	CIW		
10069	VLS DORDRECHT BV	CIW		
10090	FASSON NEDERLAND BV	CIW		
10509	AKZO CHEMICALS BV (HASELDONK)	CIW		2000
10538	STOKKERMANS CHROOMINDUSTRIE BV	CIW		
10580	ZILVERSTAD SCHOONHOVEN	CIW		2003
10799	VOPAK TERMINAL BOTLEK BV	CIW		
10811	ROMI (ROTTERD.MARGARINE IND.)	CIW		
10911	J.ENDE & ZN BV	CIW		
10954	VERW.BEDRIJFSFAV.ST.MAASVLAKTE	CIW		
11028	DE GRAAFF EN BAAS BV	CIW		
11080	KONI BV	CIW		
11089	VOPAK NOM	CIW		2000
11092	VOPAK TERMINAL EUROPOORT WEST	CIW		
11100	KATWIJK CHEMIE BV	CIW		
11227	MACHINEFABRIEK SEMPRESS BV	CIW		
11407	DEKKERS BV	CIW		2000
11474	HOYER NEDERLAND	CIW		
11475	VOS LOGISTICS	CIW		
11478	VOPAK TERMINAL EUROPOORT OOST	CIW		
11485	VOPAK TERMINAL CHEMIEHAVEN	CIW		
11487	KOOLE TANKSTORAGE PERNIS BV	CIW		
11497	NEDERLANDSE BENZOL MIJ. BV	CIW		
11512	VAN OMMEREN VLAARDINGEN	CIW		
11531	TROOST A.V.A. BV	CIW		2002
11532	CLEMENTS CORROSIEPREVENTIE BV	CIW		
11534	ALVER BV	CIW		2005
11649	VOPAK TTR	CIW		
11658	FARM FRITES BV	CIW		
12153	SITA ECOSERVICE ROTTERDAM	CIW		2000
12160	AFVALVERWERKING BOTLEK BV	CIW		
12173	DALMEIJER RECYCLING BV	CIW		
12180	PROTOPRINT BV	CIW		2003
12181	UNITED TRANSPORT TANKERS BV	CIW		
12182	DRECHTWERK	CIW		
12184	DITAR BV	CIW		
12185	DE RIJKE GENERAL SERVICES BV	CIW		
12225	HERMETA METAALWAREN BV	CIW		
12231	VAN DER LAAN TRANSPORT BV	CIW		
12233	WAY OUT ELECTRONICS BV	CIW		
19015	JOH. VAN DUUVENDIJK	CIW		2004
19016	DE RIJKSUNIVERSITEIT	CIW		
19022	UNITY INDUSTRY BV	CIW		

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19027	D W SLOTBOOM BV	CIW		
19031	NALCO EUROPE BV	CIW		
19032	CENTOCOR BV	CIW		
19036	KOELEMAN KONSERVEN BV	CIW		
19048	MENKEN DRINKS BV	CIW		
19054	STG. WESTEINDE ZIEKENHUIS	CIW		
19068	ECT DELTA TERMINAL EUROPOORT	CIW		
21001	BP AMSTERDAM TERMINAL	CIW		
21002	KABEB	CIW		2002
21326	MERCK SHARP & DOHME BV (NED)	CIW		
21502	EUROPOINT TERM.NETHERLANDS BV1	CIW		2000
21503	OILTANKING AMSTERDAM BV	CIW		
21507	AMSTERDAM PORT SERVICES B.V.	CIW		
22102	LODERS CROKLAAN BV	CIW		
22211	GERKENS CACAO AURORA	CIW		
22821	NESTLÉ PURINA PETCARE	CIW		
23000	SONY MUSIC ENTERTAINMENT (HOLLAND) BV	CIW		2003
23016	NEDERLAND-HAARLEM BV	CIW		2003
23128	EUROMETAAL N.V.	CIW		2004
24432	JOH.ENSCHEDÉ FACILITIES BV	CIW		
24723	RECYCLING MAATSCHAPPIJ FENIKS B.V.	CIW		
25114	ZEEVISHANDEL BERTUS DEKKER BV	CIW		
27370	VERHOEF ALUM.SCHEEPSB.IND. BV	CIW		
28074	KARLSHAMNS BV	CIW		
28089	SOLVAY DUPHAR BV	CIW		2001
28103	GEMINISTICHTING	CIW		
28111	PHARMACHEMIE BV	CIW		
28131	ZIEKENHUIS DE HEEL	CIW		
28133	STADTMAN BV	CIW		
28139	RODE KRUIS ZIEKENHUIS	CIW		
28140	FOBA PLATING VOF	CIW		
28147	VERENIGDE BLOEMENVEILINGEN AAL	CIW		
28149	KENNERMER GASTHUIS LOK ZEEWEG	CIW		
28155	GREENLAND NIEUW VENNEP BV	CIW		
28172	ECN PETTEN	CIW		
28173	NED. INST. ONDERZ. DER ZEE	CIW		
28174	WATERPRODUCTIEBEDRIJF LA GRANT	CIW		
28178	ZAANSE SCHROOTHANDEL BV	CIW		
28180	CAW WESTWOUDE	CIW		
31412	TRUCK & TANKCLEAN. V.D.BOSCH	CIW		
32101	REMIJA C.V.	CIW		
32102	CEREOL BENELUX BV	CIW		2000
32104	BUITENHUIS SNACKS BV	CIW		
32920	LUNENBURG VLEES BV	CIW		
33010	V.D. VELDEN AFVALVERWERKING BV	CIW		
33108	NN NETHERLANDS BV (SKF KOGELLAGERINDUSTRIE BV)	CIW		

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34406	BIEGELAAR & JANSEN BV	CIW		
34608	3M E.C.C. EUROPA BV	CIW		
36119	VENDRIG'S CHEM.BEDR.KLE.WAS.BV	CIW		
37009	TRENDTEX BV	CIW		2001
37012	CYNER SUBSTRATES BV	CIW		
38002	RIJKSINST.VOLKSGEZH.& MILIEUHG	CIW		
38006	VER. BARTIMEUS AFD. BART HAGE	CIW		
39002	ST.ANTONIUS ZIEKENHUIS 801561	CIW		
39003	ST.INR. VAN DIAKONENNESSEN 801565	CIW		
39006	ACADM.ZIEKENHS. UTRECHT 801692	CIW		
39105	VRUMONA BV	CIW		
41113	SYNBRA TECHNOLOGY BV	CIW		
41212	TEODUR NV	CIW		
41401	CIBA-GEIGY AGRO BV	CIW		2005
41411	PHILIPS LIGHTING BV	CIW		
42006	CZL TILBURG	CIW		
42028	CAMPINA FOODSERVICE BV	CIW		2000
42205	DELICIA BV	CIW		
42206	MASTERFOODS BV	CIW		
42401	NEDALCO BV	CIW		
42409	INTERBREW ORANJEBOOM BIERBR.BV	CIW		2004
42410	HEINEKEN NEDERLAND BV	CIW		
42411	COCA-COLA BEVERAGES NEDERL. BV	CIW		
42515	SPYER,V.D.VIJVER&ZWANENBURG BV	CIW		
42518	HERO NEDERLAND BV	CIW		
42521	PLOEGMAKERS FOOD INGREDIENTS	CIW		
42522	CAMPBELL'S GROKO BV	CIW		
42616	KON. MENGV. IND. MEULEMANS BV	CIW		
42627	CEHAVE VEGHEL NV.	CIW		
42630	BAKX VLEESPRODUKTEN	CIW		
42759	MAITRE PAUL	CIW		
42769	BECKERS TILBURG BV	CIW		
42804	KROOT VLEES BV (SLACHTPLAATS BV TILBURG)	CIW		
42810	DUMECO (BOXTEL)	CIW		
42928	PHILIP MORRIS HOLLAND BV	CIW		
42950	VAN DEN BURG EIPRODUKTEN	CIW		
43005	ALUMET ETTEN BV	CIW		2005
43024	NEDSCHROEF HELMOND BV	CIW		
43133	ASSENBURG BV	CIW		
43135	AHREND ODA BV	CIW		
43139	SCHMALBACH LUBECA NED. BV	CIW	from 2006	
43143	STANDAARD AERO VOF	CIW		
43168	BRABANTIA VALKENSWAARD BV	CIW		
43186	METAALWAREN-FABRIEK TILBURG BV	CIW		
43210	BGT GALVANISCHE TECHNIEKEN BV	CIW		
43216	STORK SCREENS BV	CIW		

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43257	CHROMALLOY BV	CIW		
43377	PHILIPS LIGHTING BV (ROOSEND.)	CIW		
43398	RAMAER BV	CIW		
43399	SKIL EUROPE BV	CIW	from 2006	
43425	NED. RADIATEURENFABRIEK BV	CIW		
43426	VAN DOORNE TRANSMISSIE BV	CIW		
43472	SP AEROSPACE BV	CIW		
43868	BOMA COATING	CIW		
43887	GREENLAND GELDROP BV	CIW		
44152	WOLKAT BV	CIW		
44159	THIJS DE BEER	CIW		
44170	ARTEX BV	CIW		
44323	VANDRA GOLFKARTONFABRIEK BV	CIW		
44446	ROTOGRAVURE ETTEN BV	CIW		
44486	BAC COLOR BV	CIW		
44611	LEDERFABR.GEBR.TER MEER BV	CIW		1998
44642	KONINKLIJKE VERENIGDE LEDER BV	CIW		2001
44692	GEBR. V. ESCH	CIW		
44718	FERRO ELECTRONIC MATERIALS B.V.	CIW		
45106	TEXDECO TEXTILES	CIW		2002
45127	ENIA CARPETS BV	CIW		
45676	LEDERWARENFABRIEK CORLE BV	CIW		
46633	LEDERFABRIEK GEBR.WENDEL BV	CIW		
46634	LEDERFABRIEK JAGEA	CIW		2005
46674	LEDERVEREDELINGSBEDR.LEVA BV	CIW		
46675	LEDERFABRIEK W.PLOEM BV	CIW		2005
47063	NED.PHILIPS BEDR.-TCDC/ELCOMA	CIW		
47070	NED. PHILIPS BEDRIJVEN BV	CIW		
47091	VAN VLODROP PROCESSING BV	CIW		2005
47092	DE KEMPERVENNEN BV	CIW		
47999	WUBBEN OLIEVERWERKING BV	CIW		
48006	DUMECO HELMOND BV	CIW		
48011	BRABANT ALUCAST INTERNAT.BV	CIW		
48014	JANUS VATEN BV	CIW		
48028	PINGO POULTRY FOODSERVICE (HAM BV)	CIW		
48030	N.V. RAZOB	CIW		
48034	AABE HOLLAND BV	CIW		
48035	VERVERIJ DE POSTHOORN BV	CIW		2003
48042	MVI	CIW		
48045	H.J. HEINZ GIESSEN BV	CIW		
48049	HOUSEMAN	CIW		
48052	POSSEHL ELECTRONIC NL BV	CIW		
48060	L.O.A. LAK BV	CIW		
48061	VERZINKERIJ MEERVELDHOVEN	CIW		
48069	TE STRAKE BV	CIW	from 2006	
48070	LAMB WESTON MEIJER VOF	CIW		

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48089	DALGETY FOOD INGREDIENT BV	CIW		
48091	VERMEULEN PRINTSERVICE BV	CIW		1997
48092	VAN MELLE NEDERLAND BV	CIW		
48093	MOTEL VUCHT	CIW		
48108	WILHELMINA TEXTIELREINIGING BV	CIW		
48117	DELI-HTL TABAK MIJ. BV	CIW		
48119	RIANO V.O.F.	CIW		
48120	MADO NEDERLAND BV	CIW		
48121	MOTEL EINDHOVEN EXPL. BV	CIW		
48127	SMILDE GEBR. VETSMELTERIJ BV	CIW		
48132	DE WIT SLACHTHUIS GELDROP BV	CIW		
48135	KOOLEN CONSERVEN BV	CIW		
48136	GNT NEDERLAND BV	CIW		
48137	DUMECO SON (STURKO MEAT)	CIW		
48139	ADRUU BV	CIW		
48140	RUCO	CIW		
48145	V. STEVENINCK KAZERNE	CIW		
48146	VAN OERS EN ZN. BV W.A.	CIW		
48150	BIOMERIEUX BENELUX BV	CIW		
48155	WINTERS BV	CIW		
48158	GE SIMONS TRANSPORTCLEANING BV	CIW		
48159	BEEKSE BERGEN RECREATIEPARK	CIW		
48160	NFB COATINGS BV	CIW		
48163	ROOI VAN MEAT BV	CIW		
48164	JANSSEN CV.SPUIT EN MOFFELINR.	CIW		
48169	POLYCLAD DEN BOSCH (ENTHONE-OMI)	CIW		
48182	SYNTHOMER	CIW		
49007	OUDENBOSCH GOLFKARTON BV	CIW		
49008	HEIJMANS GRONDREINIGING	CIW		
49009	IGNATIUS ZIEKENHUIS	CIW		
49022	BV LODEWIKUS VOORGESPANNEN BETON	CIW		
49024	BETONSON BV	CIW		
49025	CATHARINA ZIEKENHUIS	CIW		
49026	ESSENT MILIEU LOKATIE DE SPINDER	CIW		
49028	GALVANOTECHNIEK TILBURG BV	CIW		
49030	GGZ DEN BOSCH REINIER VAN ARKEL	CIW		
49031	GELOVEN VAN AD	CIW		
49032	MAXIMA MEDISCH CENTRUM	CIW		
49035	NIEUW VOSSEVELD	CIW		
49036	SCA PACKAGING BV	CIW		
49038	TWEE STEDEN ZIEKENHUIS	CIW		
49039	HET VENNBOS BV	CIW		
51001	ACZ DE CARBONISATION G.A.	CIW		2000
51201	BISON INTERNATIONAL	CIW		
52401	INDEP. BREWING INDUSTRY SUPPL.	CIW		
52502	SPECIAL MUNDI BV	CIW		

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52615	KONINKL. ZEELANDIA	CIW		
52801	MIERAS & CO BV	CIW		
52808	JAN PRINS ZEEUWSCHE BANNIER BV	CIW		
52809	ROEM VAN YERSEKE BV	CIW		
52810	MOERLAND KOKKELS BV	CIW		2002
53802	DE VITRITE FABRIEK	CIW		
56008	VERSTRAETE & VERBRUGGE MILIEUB	CIW		
56102	LAMB-WESTON MEIJER V.O.F	CIW		
56103	C. OOSTROM'S CONSERVENFABR. BV	CIW		
56104	MCCAIN FOODS HOLLAND BV	CIW		
56105	CROP ALLIANCE BV	CIW		
56107	SGS ECOCARE BV	CIW		
56108	GOUDSCHHELP BV	CIW		
56109	ROOMPOT RECREATIE BV	CIW		
56113	DANISCO (VOORHEEN TAFFELFOODS)	CIW		
56114	J. VAN OPDORP &ZN. BV	CIW		
56115	VAN RUITEN TRANSPORTEN BV	CIW		
56122	CAMPING LINDA	CIW		
56123	OPENBL AFVALSTOFFEN VERWERKING	CIW		
56124	TOPSY BAITS	CIW		
56125	O.L.A.Z.	CIW		
56130	HEROS AANNEMERSBEDRIJF	CIW		
56131	RHODIA ECO SERVICES NEDERLAND BV	CIW		
61201	KON.TALENS BV	CIW		
61408	GRIJSEN	CIW		
61419	LANGENBERG-FASSIN	CIW		
61422	AKZO NOBEL LOK..VELPERWEG	CIW		
62107	ARMHOEDE	CIW		
62403	GROLSCH BIERBROUWERY NEDERLAND	CIW		
62406	RIEDEL DRANKENINDUSTRIE	CIW		
62502	VINK'S CONSERVEN BV	CIW		
62509	H.J.HEINZ BV	CIW		
62512	STRUYK CONSERVENFABR. BV	CIW		
62605	BEUSMEAT BV	CIW		2004
62804	HENDRIX-VLEES DRUTEN BV	CIW		
62812	COMPAXO	CIW		
62813	KALVERSLACHTERIJ AALTEN BV	CIW		
62819	SLACHTHUIS NIJMEGEN	CIW		
62830	CEBECO MEAT PRODUCTS BV	CIW		
62849	GECOMBIN.PLUIMVEE SLACHTERIJ	CIW		
62925	AVIKO	CIW		
62928	CENTRAAL AARDAPPELNBEDR.WEZEP	CIW		
63291	PHILIPS SEMICONDUCTORS BV	CIW		
63502	HOLL.METALL.IND.BILLITON BV	CIW		2001
63643	STORK VECO BV	CIW		
63667	LATOUR BV GALVANOTECHNIEK	CIW		

code	company name	source	comment	final date
63669	ANOX BV	CIW		
63708	ESBRO	CIW		
63710	GALVIRON	CIW		
64126	KON.TEXTIEL VEREDELINGSINDUST.	CIW		2005
64134	HARIMEX BV	CIW		
64601	KON.HULSHOF'S VER.FABRIEKEN BV	CIW		
65000	GETON	CIW		2005
65300	GARENVEREDELING AALTEN BV	CIW		
65730	WELLMAN	CIW		
66213	CHEMCLEAN	CIW		2006
66217	JAN VAN EE BV	CIW		
66230	EURATEC BV	CIW		
66231	VELUWSE AFVAL RECYCLING BV	CIW		
66233	C.OOSTEROM'S PRODUCTIEBEDR.BV	CIW		
66236	INT.GEM.ORG.RIVIERENLAND.AFVWV	CIW		
66237	KATHOLIEKE UNIVERST.NIJMEGEN	CIW		
66240	NIJVIS BV	CIW		
66241	VAN SOEST BV	CIW		
66242	STOL MEDAILLE FABR. ?	CIW		
66243	V.D.VELDEN AFVALVERWERKING BV	CIW		
66244	REYNOLDS INDUSTRIAL COATINGS	CIW		
66245	SLIBVERWERKING VELUWE VOF	CIW		
66256	HEMPENIUS-STOMMEL TRANSP.OND.	CIW		
66322	INDUSTRIEWATER EERBEEK	CIW		
68075	EVERS SPECIAL BV	CIW		
69029	GALVANISEERBEDRIJF DE VRIES BV	CIW		
69031	REG.VUILVERW. ULLERBERG	CIW		
69032	SENSIENT DEHYDRATED FLAVORS	CIW		
69034	WYKO BV	CIW		
69038	CHR. HOGESLAG BV (EXPORTSLACHT	CIW		
69041	U-VLEES BV	CIW		
69042	STURKO LIEVELDE BV	CIW		
69045	AVIRA AFVALVERWERKING	CIW		
69057	VERZINKERIJ DIEREN BV	CIW		
69058	HOMBURG CHEMICALS BV	CIW		
69061	DUMECO SCHERPENZEEL	CIW		
69070	BERENDSEN TEXTIEL BV	CIW		
69071	VREDESTEIN ICOPRO	CIW		2006
69073	INZAMELSTATION NIJMEGEN BV	CIW		
72015	CAMPINA MELKUNIE BORNE BV	CIW		2003
72018	COBERCO DAIRIES	CIW		
72037	COBERCO-ZWOLLE	CIW		
72107	TOP VET (GEBR. SMILDE BV)	CIW		2003
72406	GROLSCHHE BIERBROUWERIJ NED.BV	CIW		
72817	BRADA VLEES WESEPE	CIW		2003
72828	BV LUPACK	CIW		

code	company name	source	comment	final date
72837	IMVEK MOORMAN BV	CIW		
72908	UNITED BISCUITS DEVENTER	CIW		
72912	UNIQ NEDERLAND BV (JOHMA NEDERLAND BV)	CIW		
72914	ABBOTT LABORATORIES BV	CIW		
73074	EILERT V. BERKUM EMBALL.FABR.	CIW		
73224	PHILIPS COMPONENTS BV	CIW		
73228	PHILIPS IND. ELECTR. SERV. BV	CIW		2005
73518	FUSITE BV	CIW		
73605	BRUGMAN RADIATORENFABRIEK BV	CIW		
73621	WOLTHUIS BV GALVANISCHE IND.	CIW		
73624	JANSEN CHROOM BV	CIW		
73625	TWENTSE GRAVEER INDUSTRIE BV	CIW		
73627	JONKMAN-COATING BV	CIW		
73629	VERZINKERIJ KAMPEN BV	CIW		1994
73632	DMI EUROPE BV	CIW		
73642	HOLLANDSE SIGNAALAPPARATEN B V	CIW		
73646	LARCON LIFE CYCLE (UNION FIETSENFABRIEK NV)	CIW		
74145	TEXOPRINT BV	CIW		2005
74150	HATEFA BV	CIW		
74158	T.T.V. (TWENTSE TEXTIEL VEREDELING) BV	CIW		2002
74303	SANDERS BEHANG PRODUCTIE	CIW		2005
74419	ROTO SMEETS DEVENTER	CIW		
75300	AL-FOOD DIEPVRIESPRODUCTEN	CIW		2005
75304	LAKATEX BV	CIW		2005
75307	THE SM COMPANY	CIW		2003
75309	AALDERINK BEHEER BV	CIW		
75312	CLEANING TWENTE	CIW		
75315	AFV.VERW.BDR.ELHORST-VLOEDBELT	CIW		
75318	HAGO RIJSEN BV	CIW		2003
75319	CARGILL INTEGRA HOLLAND BV (HERMELINK DENEKAMP BV)	CIW		
75320	IGLO/OLA PRODUCTIE BV	CIW		
75323	NEVEDA BV	CIW		
75324	TEN CATE PROTECT BV	CIW		
75326	RAAK	CIW		
75327	ROGAL BV	CIW		
75328	RIJSENSE TRANSP.CENTRALE BV	CIW		2005
75329	SPITMAN CHEMIE BV	CIW		2005
75330	UNIVERSITEIT TWENTE	CIW		
75331	TH.S. VAN DER LAAN BV	CIW		
75332	VERZINKERIJ TWENTE BV 73626	CIW		
75333	EXPORTSLACHTERIJ WEYL BV	CIW		
75334	WILBO BV	CIW		
75335	X-FLOW	CIW		
75340	LAB. ZUIVSCH. WEST-OVERIJSEL	CIW		
75341	DSM RESINS BV	CIW		
75344	INTEKOS BV	CIW		

code	company name	source	comment	final date
76011	ST. DEVENTER ZIEKENHUIZEN	CIW		
76015	ST. SOPHIA ZIEKENHUIS	CIW		
76016	TAUW BV	CIW		
76017	GEBR. ALTHUISIUS BV	CIW		
83089	SPRUYT COATINGS HOOGVEEEN BV	CIW		
92021	FRIVIS	CIW		
92304	KINGFABRIEKEN TONNEMA BV	CIW		
92501	R.A.DE JONG BV	CIW		
92503	STEENSMA BV	CIW		2006
92623	CADBURY FAAM BV	CIW		
92815	J.DE VRIES & ZONEN BV	CIW		
92902	KONINKLIJKE DOUWE EGBERTS BV	CIW		
93029	PRINS BV	CIW		
93055	BATAVUS BV	CIW		
93119	DE JONG GORREDJK BV	CIW		
93601	VERZINK.SCHIPPERS-SPINDER BV	CIW		
93606	GALV.IND LIEFERS	CIW		
94103	DOKKUMER VLAGGEN CENTRALE	CIW		
94106	BORKENT BV	CIW		
94302	LANGHOUT INDUSTRIAL COATINGBDR	CIW		
95000	PLUSFOOD BV	CIW		
95002	FANO FINE FOOD BV	CIW		
95003	LAMBWESTON MEIJER	CIW		
95005	SLOTEN JONGVEEVOEDERS	CIW		
95006	VERMILION OIL AND GAS NETHERLANDS BV	CIW		
96007	EILAND URK INTERNAT. BV	CIW		2002
96008	VISFILEERBEDRIJF HARLINGEN	CIW		
99003	ZIEKENH. NIJ SMELLINGHE 801511	CIW		
99005	CSK-FOOD ENRICHMENT BV	CIW		
99006	TRANSMARINDE BV	CIW		
99007	SMILFOOD BV	CIW		
99008	VAN SLOOTEN BV	CIW		
99011	GEBR. SMILDE BV	CIW		
99012	FRIMA ZOUTINDUSTRIE	CIW		
99013	MEDISCH CENTRUM LEEUWARDEN ZUID	CIW		
99014	AFVALSTURING FRIESLAND	CIW		2006
101102	AKZO NOBEL CHEMICALS BV	CIW		1995
101407	PQ ZEOLITES BV	CIW		
104503	GEBROEDERS STERK BV	CIW		
104504	LENGER SEAFOODS BV	CIW		
104507	HOKATEX BV	CIW		
104508	BRADA VLEESCH BEDRIJF BV	CIW		
104509	GEBROEDERS SMILDE BV	CIW		2000
104510	VAN BUREN HUIDENHANDEL BV	CIW		
104513	RENTEX FLORON	CIW		
104519	VEEMARKT/FEC LEEUWARDEN	CIW		

code	company name	source	comment	final date
104520	AFVALSTURING FRIESLAND "DE WIE	CIW		
104525	MIN. V. DEF.	CIW		
105002	NEDALCO BV	CIW		2002
105005	SCHOLTEN LIJMEN BV	CIW		
105023	VISAFSLAG LAUWERSOOG	CIW		
105028	BFGOODRICH SPECIALTY CHEMICALS	CIW		
115172	EPC	CIW	from 2006	
115173	TASTE ORIGINAL FOOD CONCEPTS BV	CIW	from 2006	

Appendix 4

Trend in total emissions to water from individual companies

substance name	year	1990	1995	2000	2005	2006
ALUMINIUM COMPOUNDS AS AL	kg				53,156	57,728
ANORGANIC ANTIMONY COMPOUNDS AS SB	kg	642	475	249	274	487
ANORG. ARSENIC CPDS AS AS	kg	3,695	1,960	2,132	1,085	915
ANORG. BARIUM CPDS AS BA	kg				124	297
CADMIUM CPDS CALC. AS CD	kg	3,765	720	312	225	189
ANORG. CHROMIUM CPDS AS CR	kg	20,867	14,240	6,305	5,760	5,757
COBALT CPDS AS CO	kg				421	530
COPPER COMPOUNDS AS CU	kg	20,899	17,496	15,725	10,512	9,599
MERCURY CPDS CALC. AS HG	kg	522	381	98	93	69
LEAD COMPOUNDS AS PB	kg	20,794	8,430	5,602	2,826	2,611
MOLYBDENUM CPDS AS MO	kg			403	3,177	1,930
NICKEL COMPOUNDS AS NI	kg	19,846	13,631	7,667	6,014	6,533
ANORG. TIN/ COMPOUNDS AS SN	kg				102	109
ORGANOTIN COMPOUNDS NOS	kg	187	60	20	5.9	5.8
SILVER COMPOUNDS AS AG	kg	246	2,663	488	381	118
ZINC COMPOUNDS AS ZN	kg	116,361	61,114	52,522	36,482	33,727
ANORG./ORG. NITROGEN CPDS AS N	tonnes	15,032	12,417	10,652	10,336	10,534
PHOSPHOROUS COMPOUNDS AS P	tonnes	11,630	4,858	3,233	2,013	1,840
FLUORVERBIND. ANORG. ALS F	tonnes	37,271	1,799	2,689	1,168	1,602
ANORG. CHLORINE COMPOUNDS AS CI	tonnes	875,112	394,149	3,366,066	954,409	977,195
SULPHATES AS SO4	tonnes	1,103,748	85,708	137,899	138,040	130,152
TOTAL CHEMICAL OXYGEN DEMAND	tonnes	87,941	90,882	118,732	126,905	119,056
SODIUM HYPOCHLORITE	tonnes				324	179
EXTRACTABLE ORG. CHLORINE (EOCL)	kg	38,601	7,356	5,108	5,496	10,831
CYANIDES AS CN	kg	22,923	37,850	16,141	15,222	15,870
MINERAL OIL EXCL. BENZENE, TOLUENE	kg	830,038	418,710	216,432	355,307	629,351
METHYLENE CHLORIDE (DICL-METH.)	kg		1,733	3,668	32,165	170
CHLOROFORM (TRICHLOROMETHANE)	kg	390	873	138	40	71
TETRACHLOROMETHANE (TETRA)	kg	449	118	6.9	3.5	3.7
VINYL CHLORIDE (CHLOROETHENE)	kg				90	93
DICHLOROETHANE,1,1-	kg					
DICHLOROETHANE,1,2-	kg	7,998	1,916	2,946	952	554
TRICHLOROETHANE,1,1,1-	kg	120	151	39	1.5	0.8
TRICHLOROETHANE,1,1,2-	kg					
TRICHLOROETHENE (TRI)	kg	52,120	352	759	158	153
TETRACHLOROETHENE (PER)	kg	1,107	143	30	16	11
HEXACHLOROBUTADIENE	kg	0.97	0.19	0.01	0.01	0.02
DICHLOROETHENE,1,2-	kg	90	53	61	1.1	108
METHYL-T-BUTYLETHER	kg					
BENZENE	kg	48,672	10,830	12,828	2,879	5,235
TOLUENE	kg	32,004	7,093	6,144	2,044	4,845
XYLENE, N.O.S.	kg	17,528	15,681	26,537	24,421	27,274
ETHYL BENZENE	kg	3,156	6,693	2,761	1,789	2,845
STYRENE	kg		412	2,497	1,536	2,172
ISOPROPYLBENZENE (CUMENE)	kg	165	47	6.1	41	62
MONCYCL. AROM. HYDROCARBONS, N.O.S.	kg				122,344	108,988
HEXACHLOROBENZENE	kg	24	1.6	0.05	0.01	0.01
CHLOROENZENES, N.O.S.	kg					
PENTACHLOROPHENOL	kg	1.4	3.8	0.41	0.1	0
CHLOROPHENOLS, N.O.S.	kg				2,146	1,784
PHthalATES, N.O.S.	kg		0.0	1,258	3	0

PHENOL/PHENOLATES	kg		1,696	4,844	13,552	11,149
NAPHTHALENE	kg				2.9	4.7
PHENANTHRENE	kg				0.4	0.2
ANTHRACENE/ANTHRACENE OIL	kg				0.2	0.1
FLUORANTHENE	kg			0.01	14	3.2
CHRYSENE	kg				0.2	0.0
BENZO(A)ANTHRACENE	kg				0.1	0.1
BENZO(A)PYRENE	kg			0.00	0.3	0.3
BENZO(B)FLUORANTHENE	kg			0.00	0.5	0.3
BENZO(K)FLUORANTHENE	kg			0	40	0.1
BENZO(GHI)PERYLENE	kg			0.01	0.2	0.1
INDENO(1,2,3-C,D)PYRENE	kg			0.01	0.2	0.1
PAH, UNKNOWN COMPOSITION	kg				20	0.6
POCYCL. AROM. HYDROCARBONS (EPA 16)	kg				588	0.1
POLYCYCLIC AROMATIC HYDROCARBONS (6 BORNEFF)	kg	1,355	189	80	31	724
POCYCL. AROM. HYDROCARBONS (VROM 10)	kg				3.0	6.4
TEQ of PCDD – PCDF	kg	0.00	0.00	0.02	0.0	0.0
THIOCARBAMATES	kg	2,500	757	12		
AL-/DIEL-/ISO-/ENDRIN MIXTURE	kg	8.9	2.8	1.1	16	0.0

Appendix 5

Trend in total industrial emissions (emissions to water from individual companies + statistical estimation) for 2006

substance name	year	individual facilities			statistical estimation	total industry
		D	I	C		
ALUMINIUM COMPOUNDS AS AL	kg	57,517	211		91,373	149,101
ANORGANIC ANTIMONY COMPOUNDS AS SB	kg	486	0		332	818
ANORG. ARSENIC CPDS AS AS	kg	902	14		167	1,083
ANORG. BARIUM CPDS AS BA	kg	297			0	298
	kg- { }					
	-	182	6		75	263
CADMIUM CPDS CALC. AS CD						
ANORG. CHROMIUM CPDS AS CR	kg	5,671	86		2,443	8,201
COBALT CPDS AS CO	kg	529	1		49	579
COPPER COMPOUNDS AS CU	kg	9,557	42		4,371	13,970
MERCURY CPDS CALC. AS HG	kg	67	1	0	33	102
LEAD COMPOUNDS AS PB	kg	2,604	7		983	3,594
MOLYBDENUM CPDS AS MO	kg	1,684	247		434	2,364
NICKEL COMPOUNDS AS NI	kg	6,499	35		5,232	11,765
ANORG. TIN/ COMPOUNDS AS SN	kg	108	0		101	210
ORGANOTIN COMPOUNDS NOS	kg	5.8				5.8
SILVER COMPOUNDS AS AG	kg	118			85	203
ZINC COMPOUNDS AS ZN	kg	32,396	1,331		11,150	44,877
ANORG./ORG. NITROGEN CPDS AS N	tonnes	10,481	53	0	4,101	14,636
PHOSPHOROUS COMPOUNDS AS P	tonnes	1,834	5.7		393	2,233
FLUORVERBIND. ANORG. ALS F	tonnes	1,583	19		24	1,626
ANORG. CHLORINE COMPOUNDS AS Cl	tonnes	973,375	3,820		51,093	1,028,288
SULPHATES AS SO4	tonnes	128,368	1,784		10,883	141,036
TOTAL CHEMICAL OXYGEN DEMAND	tonnes	118,495	561		67,678	186,733
SODIUM HYPOCHLORITE	tonnes	179			2	181
EXTRACTABLE ORG. CHLORINE (EOCL)	kg	10,830	1		619	11,450
CYANIDES AS CN	kg	15,870			115	15,985
MINERAL OIL EXCL. BENZENE, TOLUENE	kg	628,981	370		85,952	715,303
METHYLENE CHLORIDE (DICL-METH.)	kg	170	0		60	231
CHLOROFORM (TRICHLOROMETHANE)	kg	70	0		5.8	77
TETRACHLOROMETHANE (TETRA)	kg	3.6	0.1		0.0	3.7
VINYL CHLORIDE (CHLOROETHENE)	kg	93	0		14	107
DICHLOROETHANE,1,1-	kg					
DICHLOROETHANE,1,2-	kg	554			124	678
TRICHLOROETHANE,1,1,1-	kg	0.8				0.8
TRICHLOROETHANE,1,1,2-	kg					
TRICHLOROETHENE (TRI)	kg	153	0.5		72	225
TETRACHLOROETHENE (PER)	kg	10	0.9		0	11
HEXACHLOROBTADIENE	kg	0.0	0.0		0.0	0.0
DICHLOROETHENE,1,2-	kg	108	0.0			108
METHYL-T-BUTYLETHER	kg					
BENZENE	kg	5,235			12	5,248
TOLUENE	kg	4,845	0		20	4,865
XYLENE, N.O.S.	kg	27,274	0		940	28,213
ETHYL BENZENE	kg	2,845	0		227	3,072
STYRENE	kg	2,172			20	2,192
ISOPROPYLBENZENE (CUMENE)	kg	62			4.8	67
MONCYCL. AROM. HYDROCARBONS, N.O.S.	kg	108,988			116,837	225,825
HEXACHLOROBENZENE	kg	0.0	0.0		0.00	0.01
CHLOROBENZENES, N.O.S.	kg					

PENTACHLOROPHENOL	kg	0.0				0
CHLOROPHENOLS, N.O.S.	kg	1,784			4,159	5,943
PHTHALATES, N.O.S.	kg	0.0				0
PHENOL/PHENOLATES	kg	11,149			1,815	12,964
NAPHTHALENE	kg	4.7			0.2	4.9
PHENANTHRENE	kg	0.2			0.1	0.3
ANTHRACENE/ANTHRACENE OIL	kg	0.1			0.0	0.1
FLUORANTHENE	kg	3.2			0.0	3.2
CHRYSENE	kg	0.0			0.0	0.0
BENZO(A)ANTHRACENE	kg	0.1			0.0	0.1
BENZO(A)PYRENE	kg	0.3			0.0	0.3
BENZO(B)FLUORANTHENE	kg	0.3			0.0	0.3
BENZO(K)FLUORANTHENE	kg	0.1			0.0	0.1
BENZO(GHI)PERYLENE	kg	0.1			0.0	0.1
INDENO(1,2,3-C,D)PYRENE	kg	0.1			0.0	0.1
PAH, UNKNOWN COMPOSITION	kg	0.6				0.6
POCYCL. AROM. HYDROCARBONS (EPA 16)	kg	0.1			0.0	0.1
POLYCYCLIC AROMATIC HYDROCARBONS (6 BORNEFF)	kg	724			11	735
POCYCL. AROM. HYDROCARBONS (VROM 10)	kg	6.4			6.9	13
TEQ of PCDD – PCDF	kg	0.0	0.0			0.0
THIOCARBAMATES	kg					
AL-/DIEL-/ISO-/ENDRIN MIXTURE	kg	0.0				0.0