

**VOLVO**

**Environmental Data 2000**



**S**ince 1995, the Volvo Environmental Report has included a detailed compilation of environmental data from the Volvo Group's majority-owned production plants. In 1996 and 1997, this was published in the form of a printed supplement to the main report. As of the 1998 report, the supplement has been published on Volvo's web site at [www.volvo.com](http://www.volvo.com)

The reporting of production-related environmental data will be expanded to include figures from a greater number of operations as new EPIs (Environmental Performance Indicators) are introduced to monitor environmental performance.

#### **Environmental management systems and environmental audits**

The implementation of environmental management systems improves the quality of our environmental programmes and helps to assure the quality of the reported data. Internal monitoring and control are important elements of this activity.

Environmental audits are also carried out under the direction of the Group's environmental auditor as a means of monitoring environmental activities. In addition, the auditor is responsible for the examination of environmental data. This is carried out as part of the normal plant audits and when reporting environmental data prior to the publication of the Group's annual environmental report. Twenty-three environmental audits, including ten related to acquisitions and one to a disposal, were carried out during the year 2000. Comprehensive environmental surveys of the operations of Renault V.I. and Mack Trucks, Inc. were also carried out prior to the Volvo Group's acquisition of those two companies.

The audit programme for 2001 will follow the Group's rolling plan for the periodic monitoring of environmental activities. However, priority will be given to operations which begin to implement environmental management systems during the year and to the auditing of acquired operations. Concentrated initially on the Group's production plants, the work of implementing environmental management systems has now been extended to other links in the value chain, such as product development, purchasing, sales and service. By 31 December 2000, thirty-seven Volvo plants and units had been awarded ISO 14001 certification.

#### **New, global environmental standard**

In 2000, to ensure that environmental activities in all plants are conducted in accordance with Volvo's environmental policy and strategies, Volvo Group management decided to adopt a new, global envi-

ronmental standard for production plants. Developed by Working Group Production – the working group which is responsible for production issues and reports to the Volvo Group Environmental Council – the standard focuses on a number of key areas, such as chemicals usage, energy and water consumption, and emissions to air and water, as well as noise and waste. The standard also specifies minimum requirements governing the organisation of environmental activities. The basic principle is that plant operations must, as a minimum, comply at all times with the stricter of the codes contained in local regulations or the Volvo Group's environmental standard. The minimum requirements are summarised here.

#### **Consumption and emissions**

This supplement to the Volvo Environmental Report for 2000 contains information on annual consumptions of energy and water, as well as emissions of solvents, carbon dioxide, nitrogen oxides and sulphur dioxide, for all of Volvo's majority-owned plants worldwide. Figures for hazardous wastes are also reported. The charts show the figures for the period 1997-2000. For reference purposes, the figures are also plotted as a function of the Volvo Group's net sales. Energy and water consumption figures are based on measured values. In the latter case, distinction is made between cooling and process water. Emission data are based on calculations, measurements and quantities of purchased materials. Environmental data which have not been verified by quality assurance are not included in the report. For this reason, figures from the Volvo Buses plant in China are excluded, as are some individual figures from a number of other plants.

Total energy consumption was reduced by almost 9%, from 1,815 GWh to 1,656 GWh. Emissions of carbon dioxide were cut from 184,000 tonnes to 171,000, a reduction of approximately 7%. Total water consumption was reduced by approximately 8%, from 4,680,000 m<sup>3</sup> to 4,314,000 m<sup>3</sup>. Solvent emissions increased by over 6%, from 1,332 tonnes to 1,422 tonnes.

Emissions of nitrogen oxides were reduced from 478 tonnes (corrected value) to 463 tonnes, while sulphur dioxide emissions were lowered from 77 tonnes to 59 tonnes. The total quantity of hazardous waste increased by 10% to 17,170 tonnes, due to new definitions relating to the classification of such waste. CFCs, HCFCs and halons have either been discontinued or are being eliminated in most Volvo production plants. Sorting of waste materials is carried out in all plants in accordance with local and national regulations.



**Inge Horkeby**  
Environmental Auditor, AB Volvo

## Global environmental standard for production plants

*"We shall lead the field in terms of low environmental impact and high resource efficiency wherever in the world we operate".*

(The Volvo Group's environmental goal for production until 2003)

### Minimum requirements, chemicals

- To survey the chemicals used in production
- To implement the requirements of the black list (Volvo Std. 1009.1)
- To work actively to replace the chemicals on the grey list (Volvo Std. 1009.11)

### Minimum requirements, energy and CO<sub>2</sub>

- To survey all major energy-consuming processes
- To implement efficiencies in energy utilisation on a continuous basis

### Minimum requirements, sulphur and NOx

- The sulphur content of the fuel must not exceed: Oil 1%, natural gas 0%, coal 1%, biomass 0.05%
  - Nitrogen oxide emissions must not exceed: Oil 150 mg/MJ, natural gas 70 mg/MJ, biomass 100 mg/MJ, TO 100 mg/m<sup>3</sup>
- TO = Thermal oxidiser (combustion chamber)

### Minimum requirements, (VOCs)

- To prepare a plan for handling solvents
- To work continuously to reduce solvent emissions

### Minimum requirements, water

- Concentrations of metal impurities in water discharged from Volvo production plants must not exceed the following values (mg/l): Cadmium 0.1, mercury 0.05, chromium (total) 0.5, chromium (hexavalent) 0.1, lead 0.1, nickel 0.5, silver 0.1, tin 2, copper 0.5, free cyanide 0.2, halogens (F, Cl, Br, I) 0.1
- Process water with an organic content must be treated chemically or by an equivalent method. The feasibility of introducing further treatment should be examined.

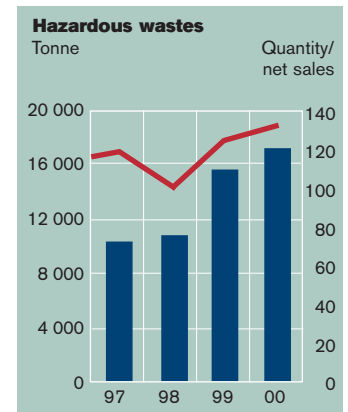
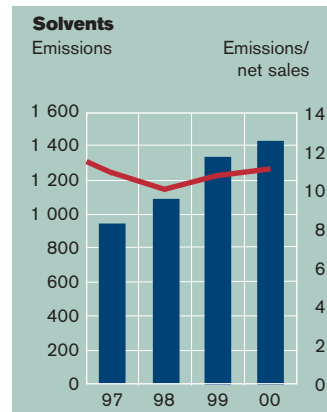
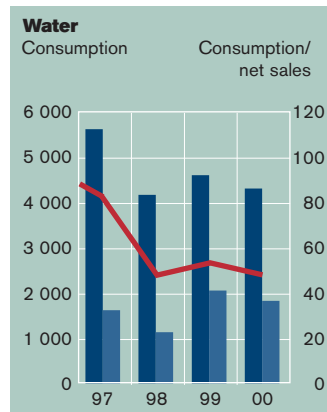
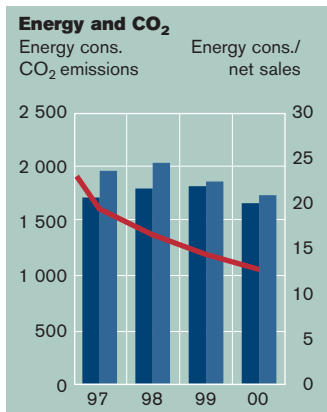
### Minimum requirements, waste

- To sort and quantify all waste at source
- To implement measures to:
  - reduce the quantity of waste
  - increase reuse, material recycling and energy recovery
  - reduce the quantity of waste consigned to landfill

### Minimum requirements, organisation

- To define environmental goals and measures
- To implement an environmental management system
- To assess the environmental impact of new projects and to examine ways of reducing such impact
- To apply the Group's environmental requirements to suppliers and contractors

## Environmental data for Volvo production plants



■ Energy consumption (GWh)  
■ CO<sub>2</sub> emissions (tonne x 100)  
■ Energy consumption/net sales (MWh/MSEK)

■ Cooling water (m<sup>3</sup> x 1000)  
■ Process water (m<sup>3</sup> x 1000)  
■ Consumption/net sales (m<sup>3</sup>/MSEK)

■ Emissions (tonne)  
■ Emissions/net sales (kg/MSEK)

■ Hazardous wastes (tonne)  
■ Quantity/net sales (kg/MSEK)

The charts indicate total figures (as at 31 December 2000) for all of Volvo's majority-owned production plants worldwide. Figures for 1997 and 1998 do not include Volvo Cars, which was part of the Volvo Group at that time.

**Plant**

**Volvo Truck Corporation  
Tuve, Sweden**

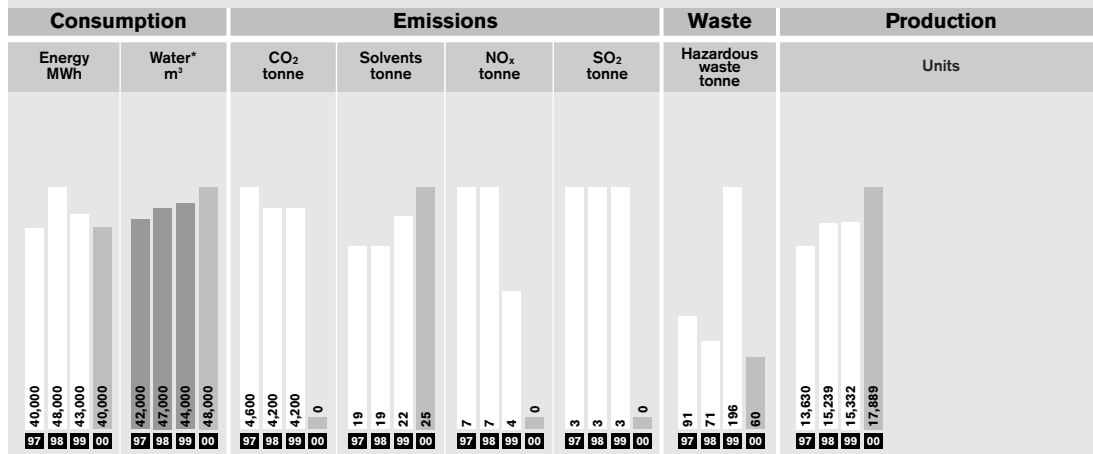
**Operations:** Assembly of trucks; production of frame members; painting of axles

**Units:** Trucks

**Environmental audits:** 1996

**Environmental management system:** 1999

**Comments:** Power house sold. District heating will be introduced.



**Volvo Truck Corporation  
New River Valley, USA**

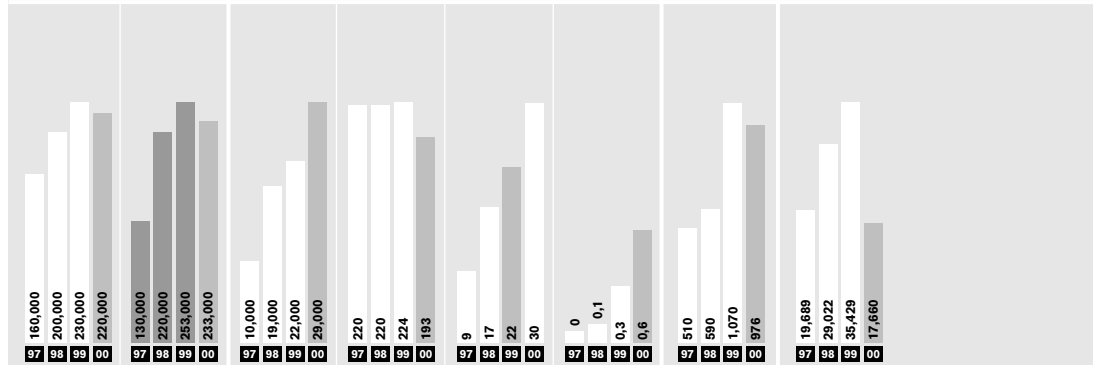
**Operations:** Assembly and painting of truck cabs; assembly of trucks

**Units:** Trucks

**Environmental audits:** 1993, 1999

**Environmental management system:** 2000

**Comments:** Major plant expansion in 2000 add 56000m<sup>2</sup> of buildings. Additional air purification system for removing solvents installed which add to natural gas consumption.



**Volvo Truck Corporation  
Ghent, Belgium**

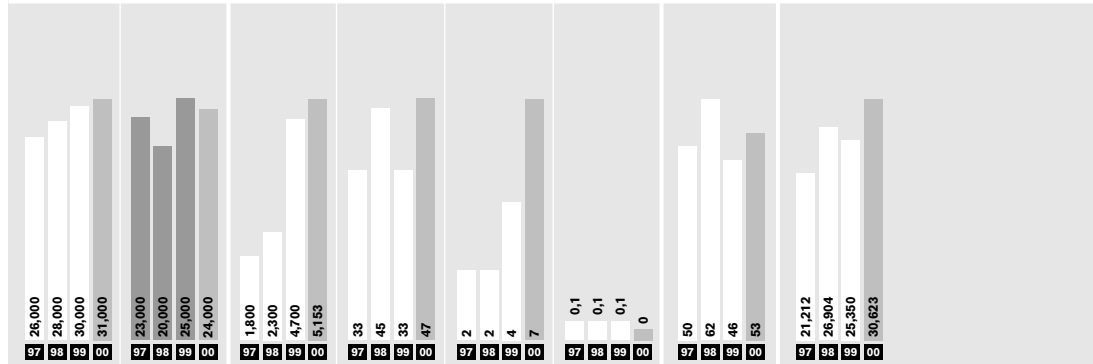
**Operations:** Assembly of trucks

**Units:** Trucks

**Environmental audits:** 1990, 1995

**Environmental management system:** 1995.

**Comments:** New method for solvent emission follow up introduced. Figures for 1998 and 99 revised.



**Volvo Truck Corporation  
Umeå, Sweden**

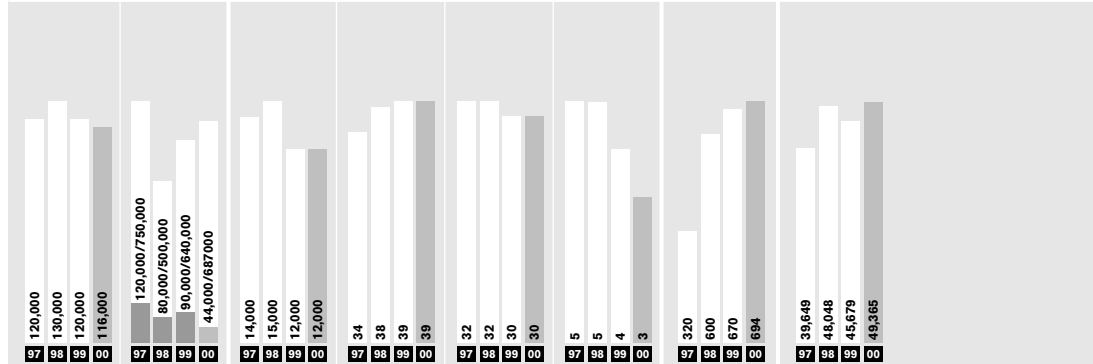
**Operations:** Pressing, assembly and painting of truck cabs

**Units:** Truck cabs

**Environmental audits:** 1992, 1997

**Environmental management system:** 1998

**Comments:** NO<sub>x</sub> figure for 1999 is measured value.



**Volvo Truck Corporation  
Skövde, Sweden**

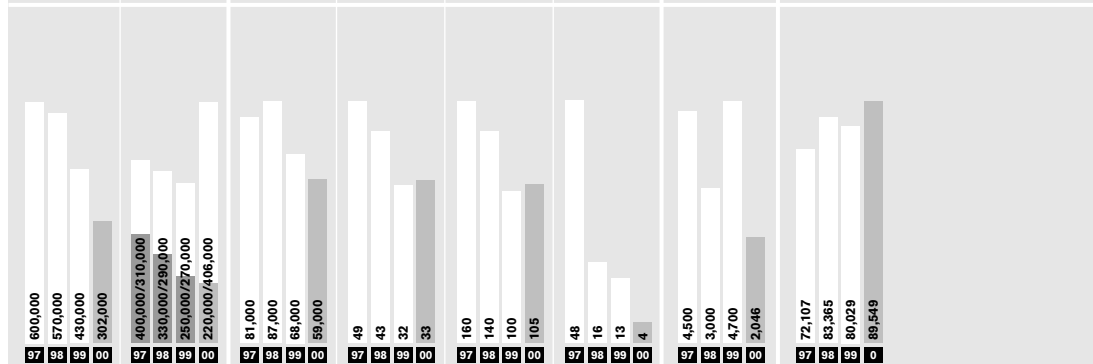
**Operations:** Foundry; engine production

**Units:** Truck engines

**Environmental audits:** 1992, 1997

**Environmental management system:** 1998

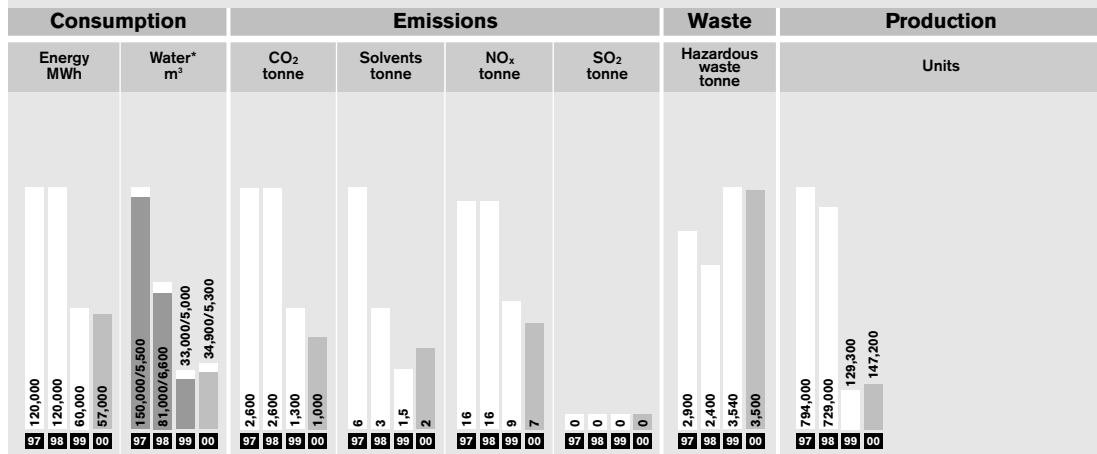
**Comments:** Systematic source sorting implemented to reduce waste. A painting process with "dry"recirculation of overspray introduced. Data for 1996-98 include Volvo Car Corporation.



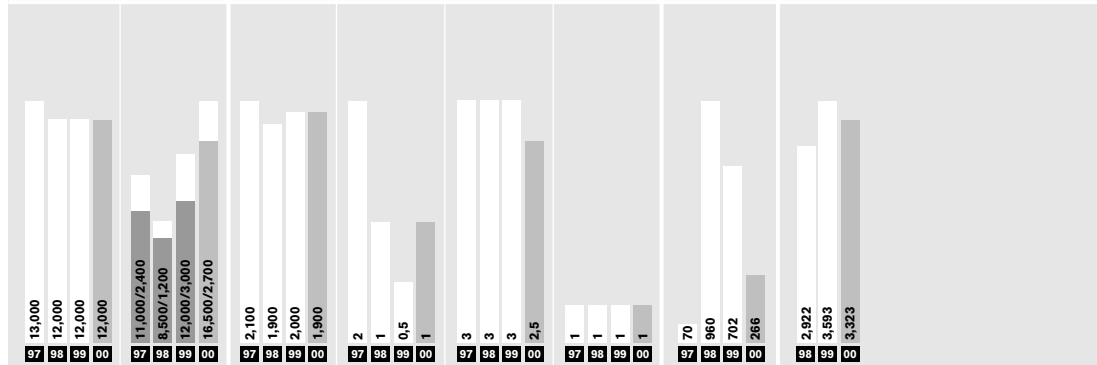
\* White bar indicates cooling water; shaded bar indicates process water  
N/A = Figures unavailable

**Plant**

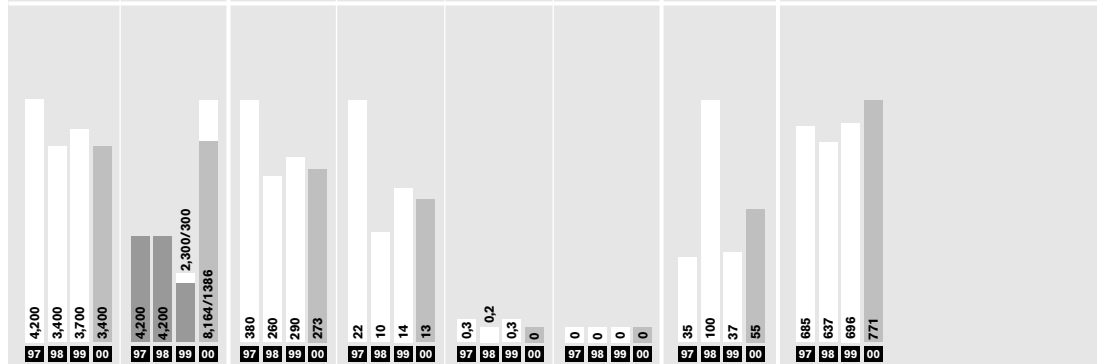
**Volvo Truck Corporation  
Köping, Sweden**  
**Operations:** Production of gearboxes, rear axles and drives  
**Units:** Components (gearboxes, rear axles, front spring struts etc.)  
**Environmental audits:** 1991, 1996  
**Environmental management system:** 1997  
**Comments:** Hazwaste amount for 1999 revised.  
 Data for 1996-98 include Volvo Car Corporation.



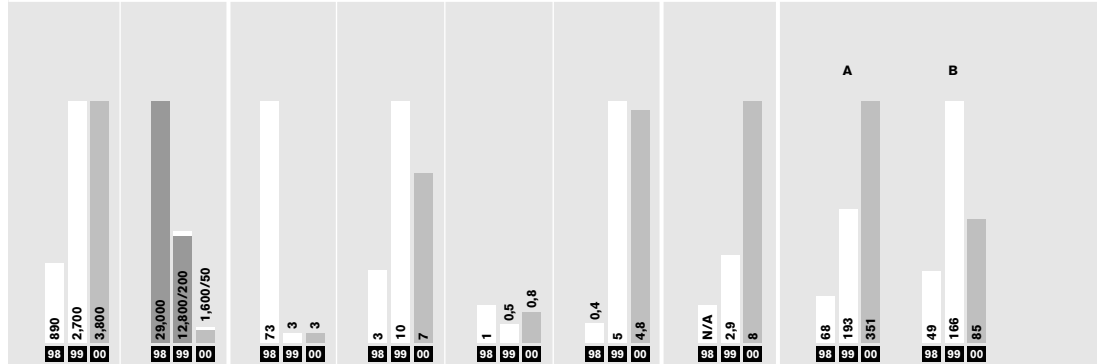
**Volvo Parts  
Flen, Sweden**  
**Operations:** Reconditioning of truck and car engines  
**Units:** Unit engines  
**Environmental audits:** 1998  
**Environmental management system:** 1999



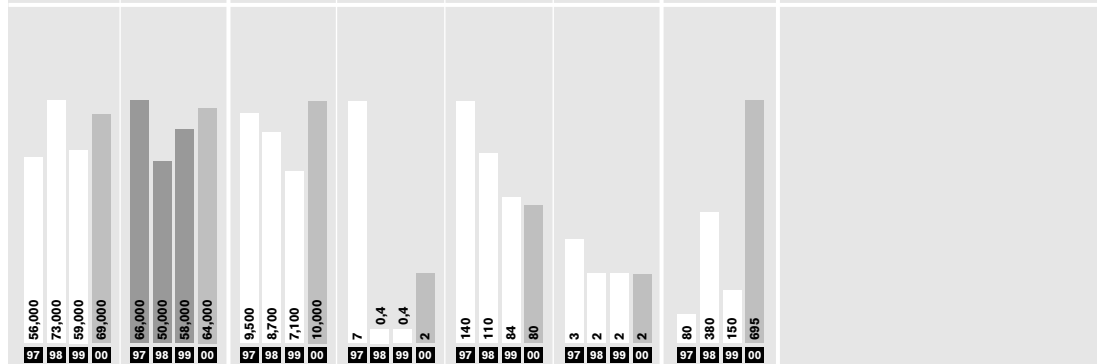
**Volvo Truck Corporation  
Brisbane, Australia**  
**Operations:** Production of truck cabs and engines; assembly of trucks.  
**Units:** Trucks  
**Environmental audits:** 1995, 1997  
**Comments:** Energy conservation programme implemented. Water test and truck wash facility installed.



**Volvo Truck Corporation  
Bangalore, India**  
**Operations:** Production of trucks and trailers  
**Units:** A = Trucks; B = Trailers  
**Comments:** Production commenced 15 June 1998. Water used for watering of green areas not included from 1999 on.



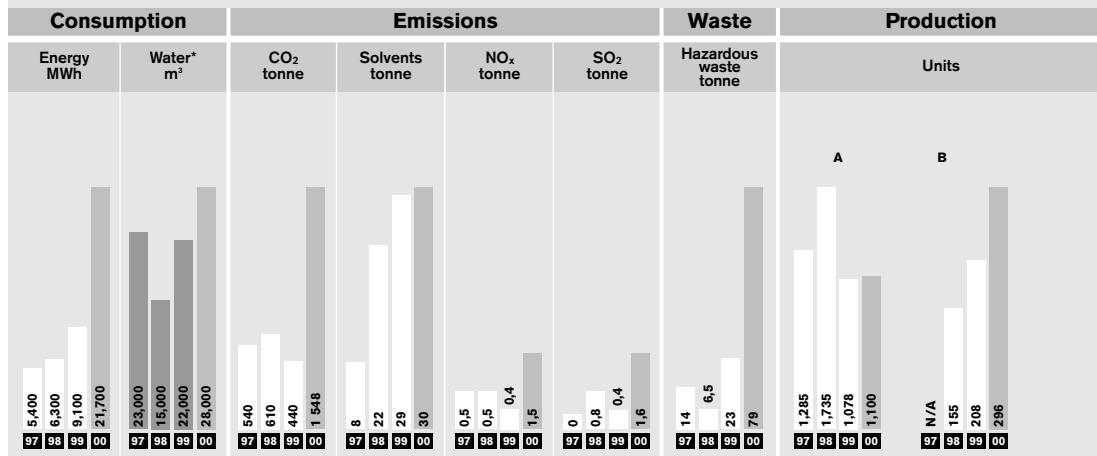
**Volvo Truck Corporation  
Lundby, Gothenburg, Sweden**  
**Operations:** Diesel engine development and testing only  
**Environmental audits:** 1991, 1997  
**Environmental management system:** 2000  
**Comments:** Figures for Volvo Trucks and Volvo Penta are reported separately from 1998 on. Heat recovery from engine testing included.



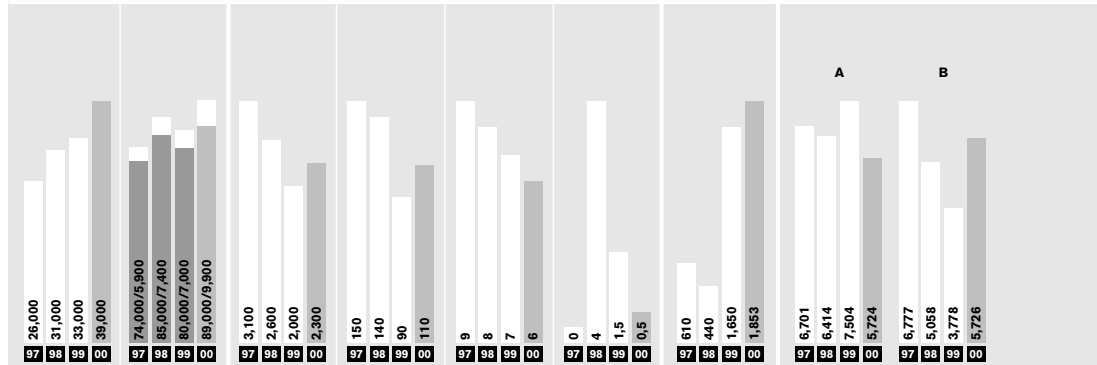
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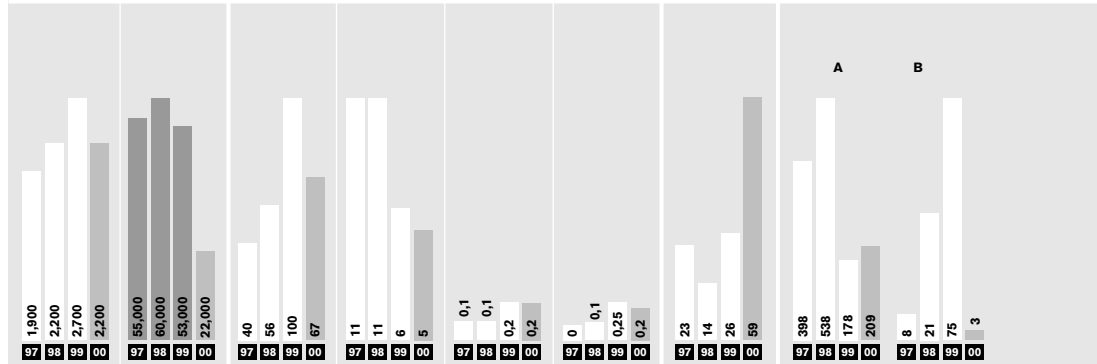
**Volvo Truck Corporation  
Volvo Bus Corporation  
Wroclaw, Poland**  
Operations: Assembly of trucks and buses  
Units: A = Trucks; B = Buses  
Environmental audits: 1997  
Environmental management system: 2000



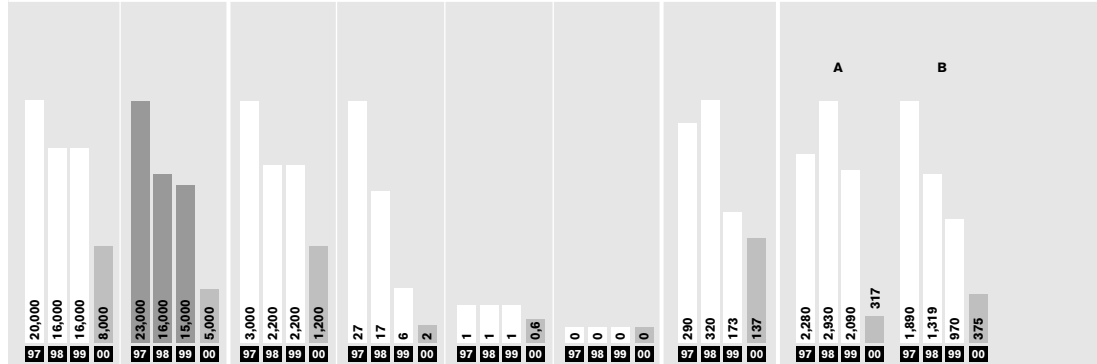
**Volvo Truck Corporation  
Volvo Bus Corporation  
Curitiba, Brazil**  
Operations: Production of truck cabs and engines; assembly of trucks and bus chassis  
Units: A = Vehicles; B = Engines  
Environmental audits: 1992  
Environmental management system: 2000



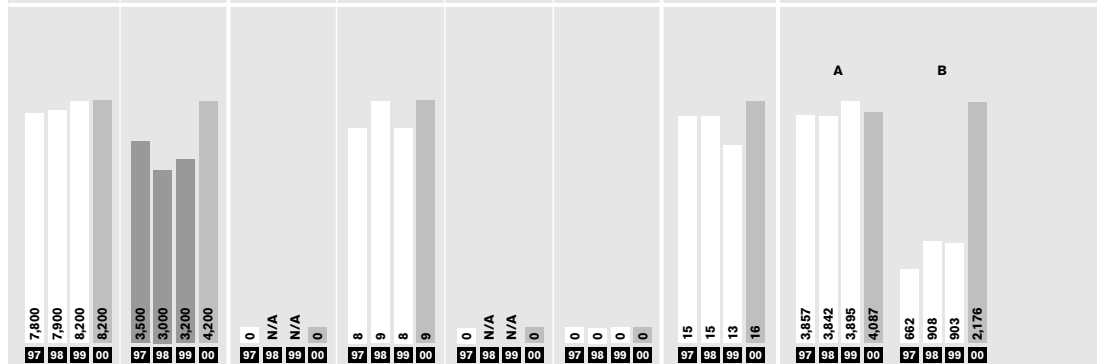
**Volvo Truck Corporation  
Volvo Bus Corporation  
Lima, Peru**  
Operations: Production of truck cabs and engines; assembly of trucks and bus chassis  
Units: A = Trucks; B = Buses  
Environmental audits: 1992  
Environmental management system: 2000  
Comments: Energy and water conservation programme implemented.



**Volvo Truck Corporation  
Volvo Bus Corporation  
Irvine, Great Britain**  
Operations: Assembly of trucks and bus chassis  
Units: A = Trucks; B = Bus chassis  
Environmental audits: 1991, 1994, 1998  
Environmental management system: 1995  
Comments: Plant closed in July 2000.



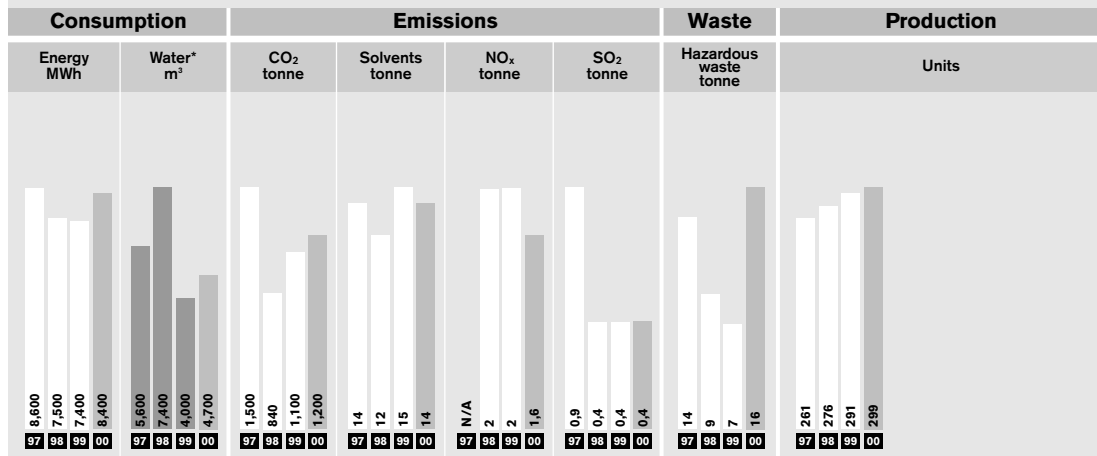
**Volvo Bus Corporation  
Borås, Sweden**  
Operations: Assembly of bus chassis  
Units: A = Bus chassis; B = KD kits  
Environmental audits: 1993, 1996  
Environmental management system: 1997



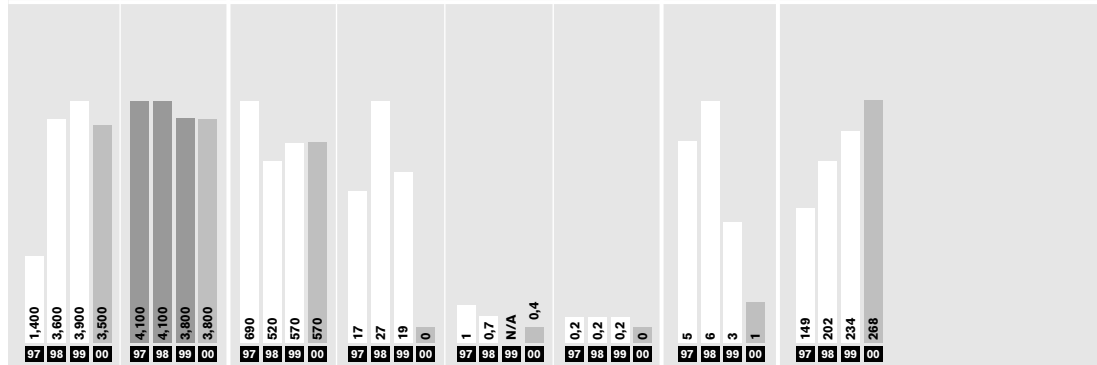
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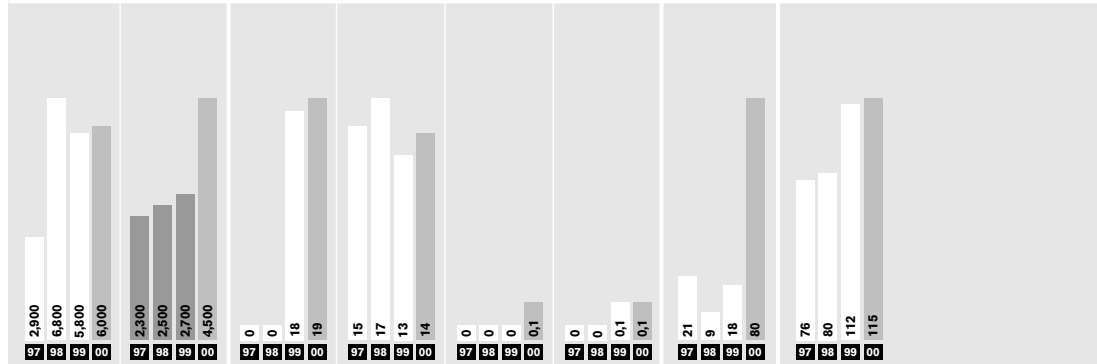
**Volvo Bus Corporation**  
**Säffle, Sweden**  
**Operations:** Production of bus bodies; assembly of buses.  
**Units:** Buses  
**Environmental audits:** 1993, 1999  
**Environmental management system:** 2000



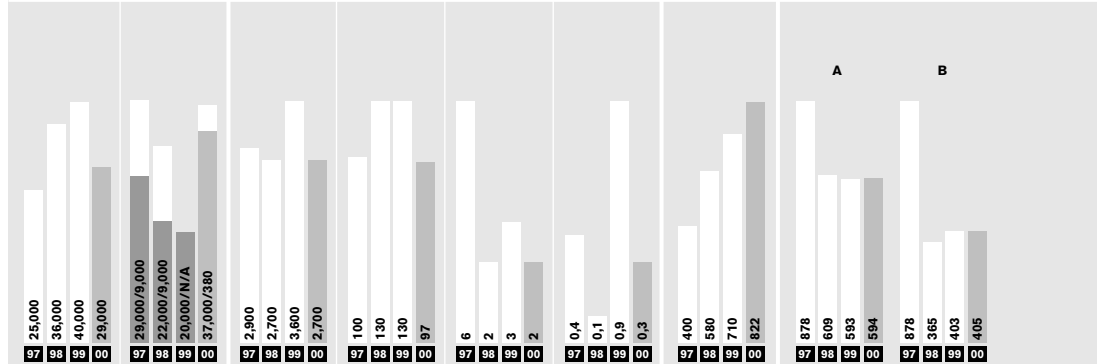
**Volvo Bus Corporation**  
**Aabenraa, Denmark**  
**Operations:** Production of bus bodies; assembly of buses.  
**Units:** Buses  
**Environmental audits:** 1994



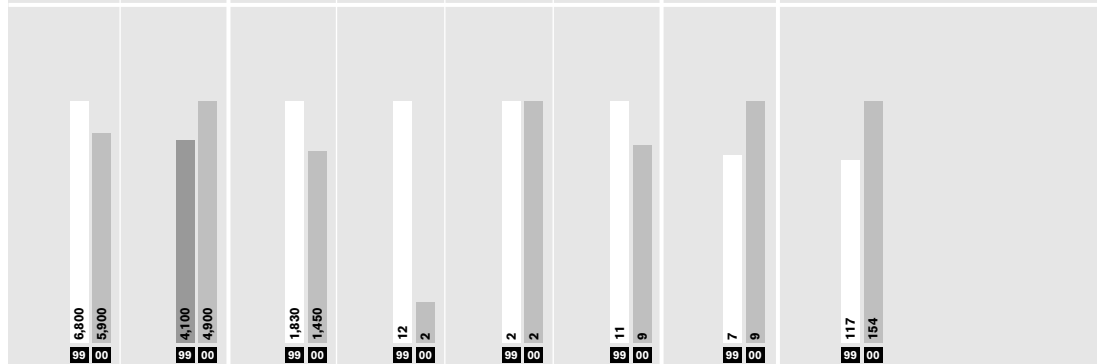
**Volvo Bus Corporation**  
**Heilbronn, Germany**  
**Operations:** Production of bus bodies; assembly of buses.  
**Units:** Buses  
**Environmental audits:** 1997  
**Comments:** Water loss due to pipe fracture increased consumption.



**Volvo Bus Corporation (PrévoSt)**  
**St Claire, Canada**  
**Operations:** Production of complete (bodied) buses  
**Units:** A = Buses; B = Bodies  
 Figures from 1997 on summated  
**Environmental audits:** 1997.  
**Environmental management system:** 1998  
**Comments:** Energy conservation programme implemented.



**Volvo Bus Corporation (Carrus)**  
**Helsinki, Finland**  
**Operations:** Production of bus bodies; assembly of buses.  
**Units:** Buses  
**Environmental audits:** 1998



\* White bar indicates cooling water; shaded bar indicates process water  
 N/A = Figures unavailable

**Plant**

**Volvo Bus Corporation (Carrus)**  
**Turku, Finland**  
**Operations:** Production of bus bodies; assembly of buses.  
**Units:** Buses  
**Environmental audits:** 1998

**Volvo Bus Corporation (Carrus)**  
**Tampere, Finland**  
**Operations:** Production of bus bodies; assembly of buses.  
**Units:** Buses  
**Environmental audits:** 1998

**Volvo Bus Corporation (Nova BUS)**  
**St-Eustache, Canada**  
**Operations:** Production of complete (bodied) buses  
**Units:** Buses  
**Environmental audits:** 1997

**Volvo Bus Corporation (Nova BUS)**  
**St-François-du-Lac, Canada**  
**Operations:** Production of bus chassis  
**Units:** Bus chassis  
**Environmental audits:** 1997

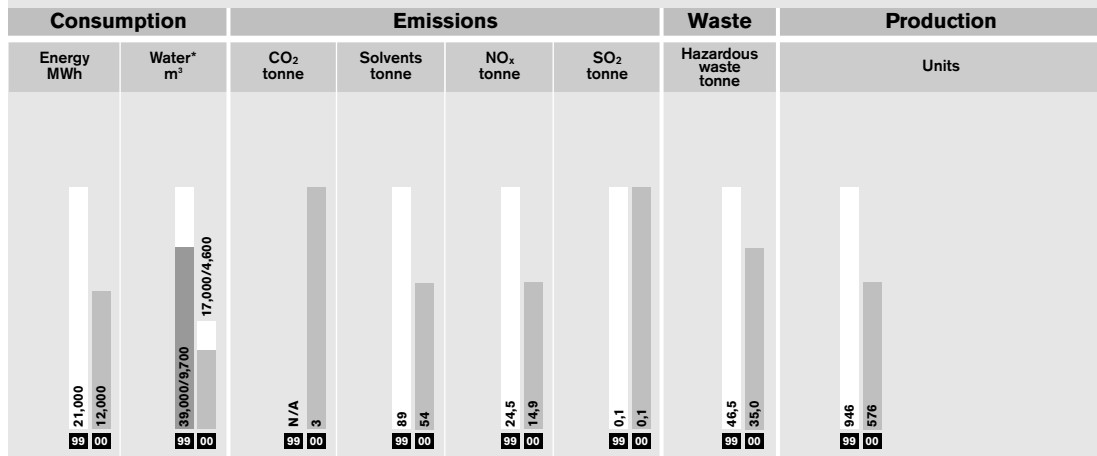
**Volvo Bus Corporation (Nova BUS)**  
**Schenectady, USA**  
**Operations:** Final assembly of buses  
**Units:** Buses  
**Environmental audits:** 1997

Plant	Consumption		Emissions				Waste	Production
	Energy MWh	Water* m³	CO₂ tonne	Solvents tonne	NO <sub>x</sub> tonne	SO <sub>2</sub> tonne	Hazardous waste tonne	Units
Volvo Bus Corporation (Carrus) Turku, Finland Operations: Production of bus bodies; assembly of buses. Units: Buses Environmental audits: 1998	8,900 6,000	9,400 5,600	1,500 1,200	19 2	2 2	9 8	6 23	190 195
Volvo Bus Corporation (Carrus) Tampere, Finland Operations: Production of bus bodies; assembly of buses. Units: Buses Environmental audits: 1998	5,300 5,700	2,500 2,900	108 123	17 2	0 0	0 0	4 13	171 193
Volvo Bus Corporation (Nova BUS) St-Eustache, Canada Operations: Production of complete (bodied) buses Units: Buses Environmental audits: 1997	3,900 8,025	24,600 15,000	N/A N/A	15 9	N/A N/A	N/A N/A	14 14	275 406
Volvo Bus Corporation (Nova BUS) St-François-du-Lac, Canada Operations: Production of bus chassis Units: Bus chassis Environmental audits: 1997	2,700 3,124	5,500 7,781	N/A N/A	0.5 0	N/A N/A	N/A N/A	0 0	275 406
Volvo Bus Corporation (Nova BUS) Schenectady, USA Operations: Final assembly of buses Units: Buses Environmental audits: 1997	700 2,436	96,500 43,200	N/A N/A	1.2 0	N/A N/A	N/A N/A	3.3 3	375 158

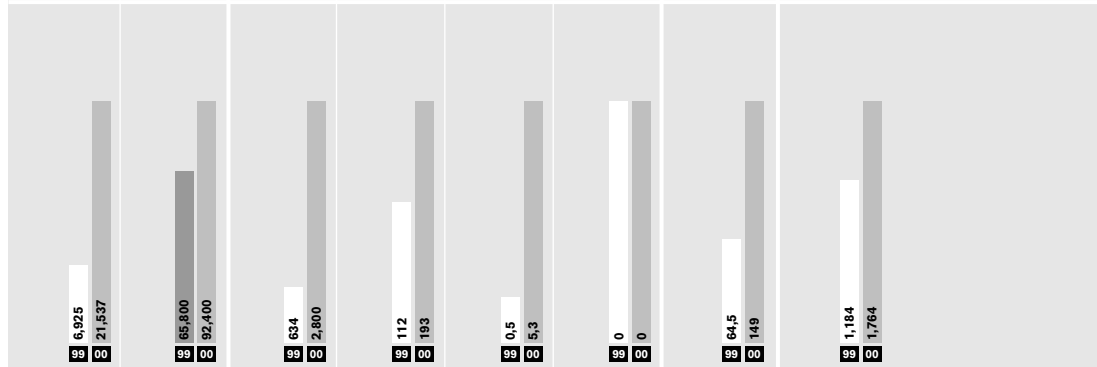
\* White bar indicates cooling water; shaded bar indicates process water  
 N/A = Figures unavailable

**Plant**

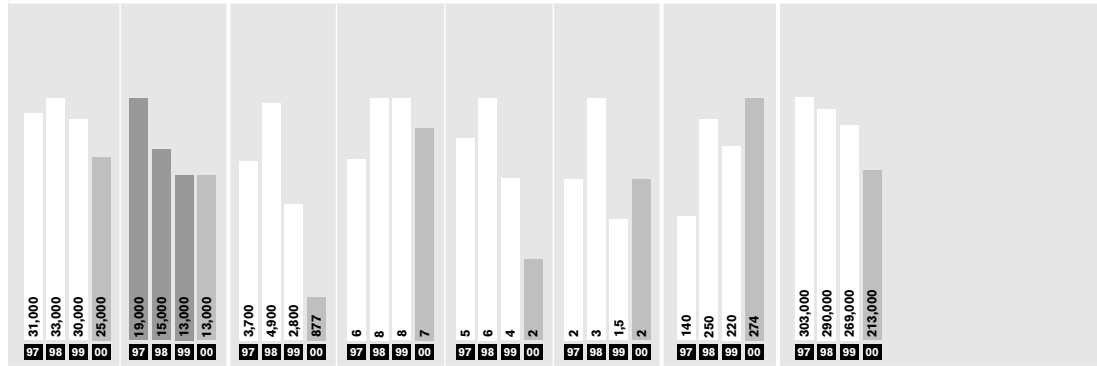
**Volvo Bus Corporation (Nova BUS)**  
**Roswell, USA**  
**Operations:** Production of complete (bodied) buses  
**Units:** Buses  
**Environmental audits:** 1997



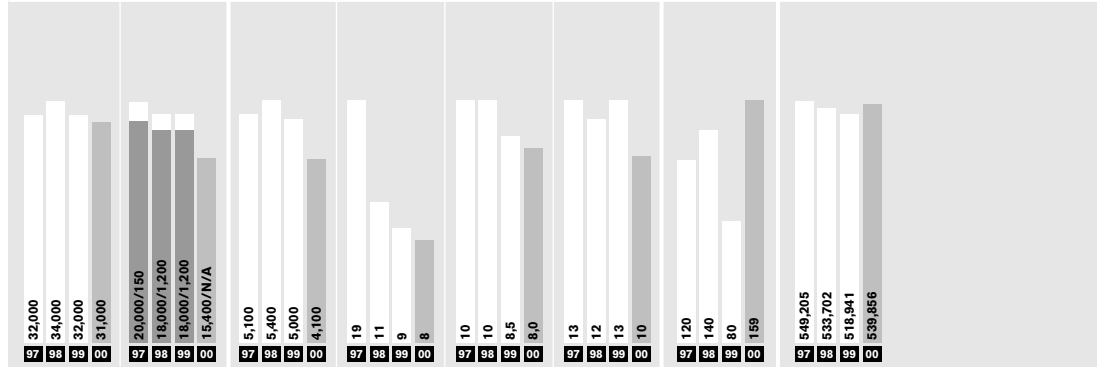
**Volvo Bus Corporation (MASA)**  
**Mexico City, Mexico**  
**Operations:** Production of complete (bodied) buses  
**Units:** Buses  
**Environmental audits:** 1997  
**Comments:** Energy consumption increase due to new platform line, new paint process and higher production.



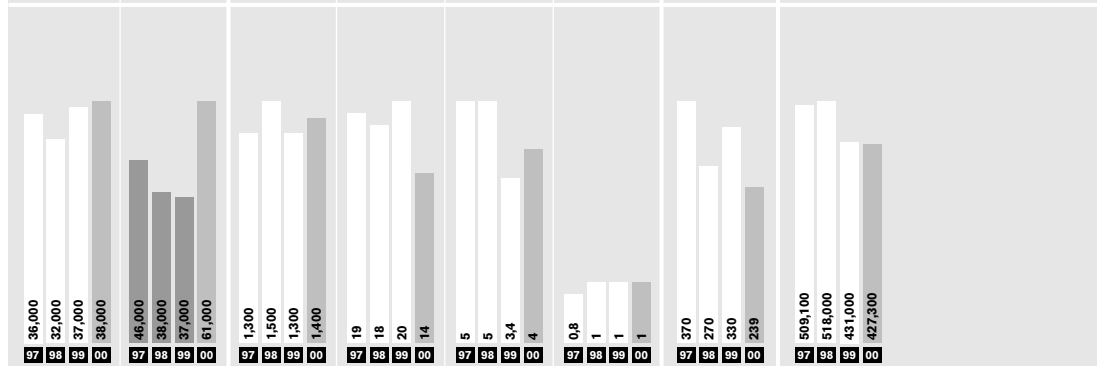
**Volvo Construction Equipment**  
**Växjö/Braås, Sweden**  
**Operations:** Production of components; assembly of haulers  
**Units:** Production hours  
**Environmental audits:** 1997  
**Environmental management system:** 1998



**Volvo Construction Equipment**  
**Arvika, Sweden**  
**Operations:** Production of components; assembly of wheel loaders  
**Units:** Production hours  
**Environmental audits:** 1996  
**Environmental management system:** 1996



**Volvo Construction Equipment**  
**Hallsberg, Sweden**  
**Operations:** Assembly and painting of construction equipment cabs; production of hydraulic components  
**Units:** Production hours  
**Environmental audits:** 1998  
**Environmental management system:** 1999  
**Comments:** Water consumption increase due to temporary use of water for cooling. Solvent emission reduction programme implemented.



\* White bar indicates cooling water; shaded bar indicates process water  
 N/A = Figures unavailable

**Plant**

**Volvo Construction Equipment (Compact Equipment) Belleys, France**  
**Operations:** Production of components; assembly of small excavators and wheel loaders  
**Units:** Production hours  
**Environmental audits:** 1998  
**Environmental management system:** 2000  
**Comments:** Natural gas used to supply heating and process requirements.

**Volvo Construction Equipment Creys, France**  
**Operations:** Production of components, welding  
**Units:** Production hours  
**Environmental management system:** 2000

**Volvo Construction Equipment (Compact Equipment) Konz-Könen, Germany**  
**Operations:** Production of components; assembly of light wheel loaders  
**Units:** Production hours  
**Environmental audits:** 1997  
**Environmental management system:** 1997  
**Comments:** Heating and process requirements supplied mainly by natural gas.

**Volvo Construction Equipment Asheville, USA**  
**Operations:** Production of components; assembly of wheel loaders and haulers  
**Units:** Production hours  
**Environmental audits:** 1998  
**Comments:** Natural gas used to supply heating and process requirements.

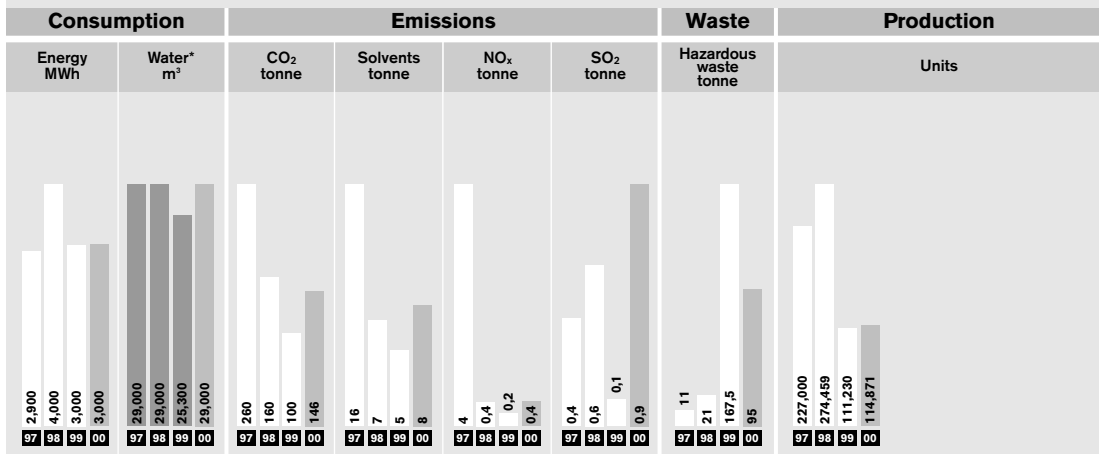
**Volvo Construction Equipment (Champion), Goderich, Canada**  
**Operations:** Production of components; assembly of road graders  
**Units:** Production hours  
**Environmental audits:** 1998  
**Comments:** Heating and process requirements supplied mainly by natural gas and LPG. New more energy efficient paint oven installed. Values for energy consumption 1998, 99 revised.

Plant	Consumption		Emissions				Waste	Production
	Energy MWh	Water* m³	CO₂ tonne	Solvents tonne	NOₓ tonne	SO₂ tonne	Hazardous waste tonne	Units
<b>Volvo Construction Equipment (Compact Equipment) Belleys, France</b>	10,000 17,000 12,000 12,200	15,000 17,000 12,000 13,000	500 660 590 643	46 43 55 60	1 5 2 2	1 1 0,8 0,8	110 110 69 162	297,027 375,032 298,901 244,027
<b>Volvo Construction Equipment Creys, France</b>	878,000	475,000	2	0	0,0	0,0	0	73,222
<b>Volvo Construction Equipment (Compact Equipment) Konz-Könen, Germany</b>	12,000 13,000 14,000 11,000	5,400 5,300 5,500 5,800	1,800 2,100 2,000 1,700	21 22 26 22	3 5 4 3	2 2 2 2	150 99 162 142	249,000 280,000 340,000 336,000
<b>Volvo Construction Equipment Asheville, USA</b>	18,000 20,000 26,000 28,000	8,100 8,900 7,300 7,700	1,400 1,300 2,400 2,000	40 43 23 19	2 1 1 2	0 0 Trace 0	3 5 17 9	301,007 339,684 245,731 365,356
<b>Volvo Construction Equipment (Champion), Goderich, Canada</b>	51,467 99,450 97,000	71,000 57,000 60,000	5,300 17 40	31 20 23	5 3 3	0 1 1	N/A 36 39	1,186,085 876,000 718,000

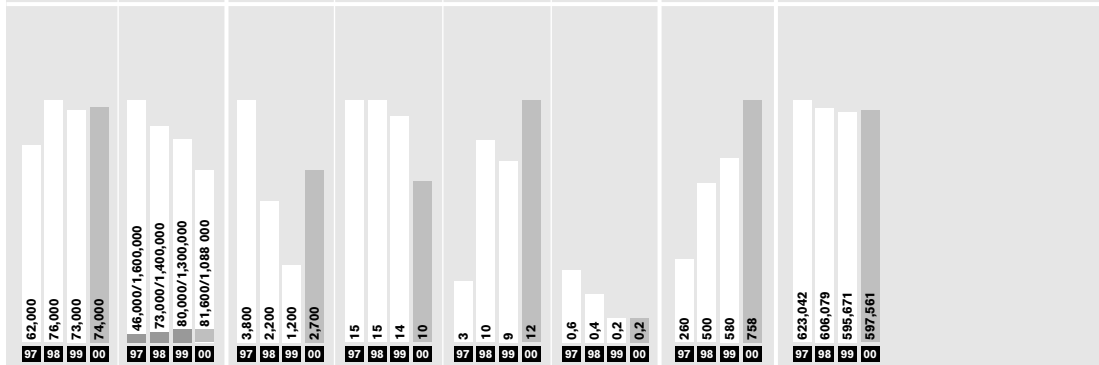
\* White bar indicates cooling water; shaded bar indicates process water  
 N/A = Figures unavailable

**Plant**

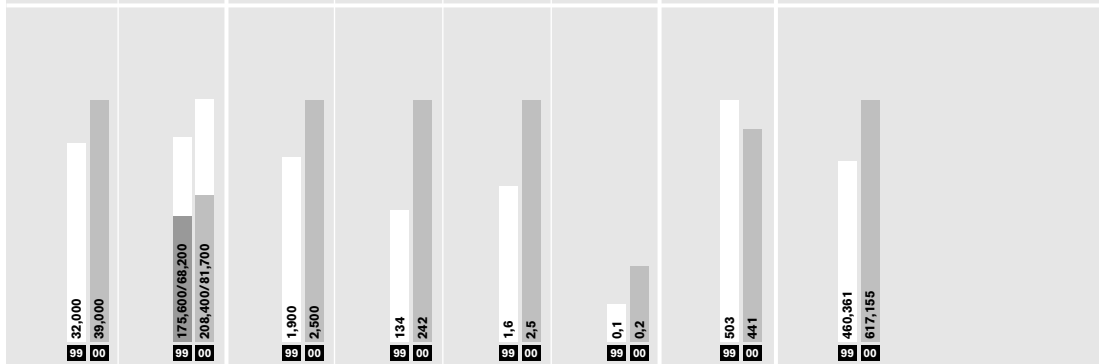
**Volvo Construction Equipment Pederneiras, Brazil**  
**Operations:** Production of components; assembly of wheel loaders and haulers  
**Units:** Production hours  
 Environmental audits: 1998



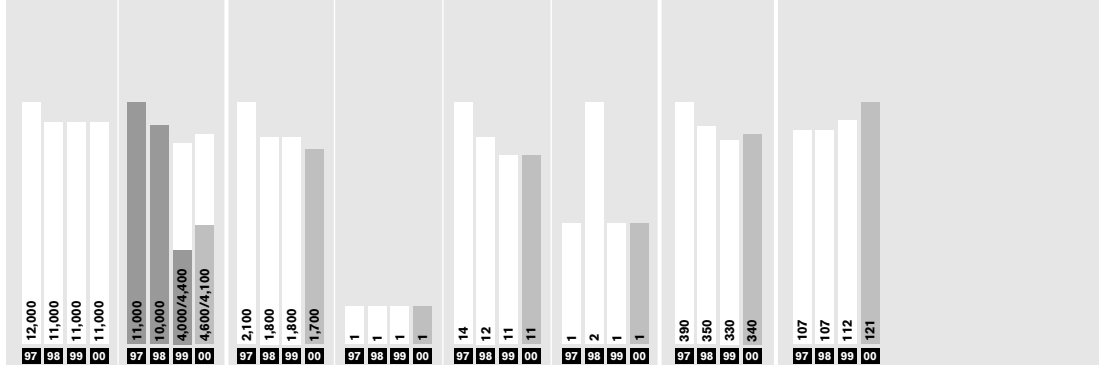
**Volvo Construction Equipment Eskilstuna, Sweden**  
**Operations:** Production of components; assembly of medium-heavy wheel loaders and excavators  
**Units:** Production hours  
 Environmental audits: 1997, 1998  
 Environmental management system: 1999



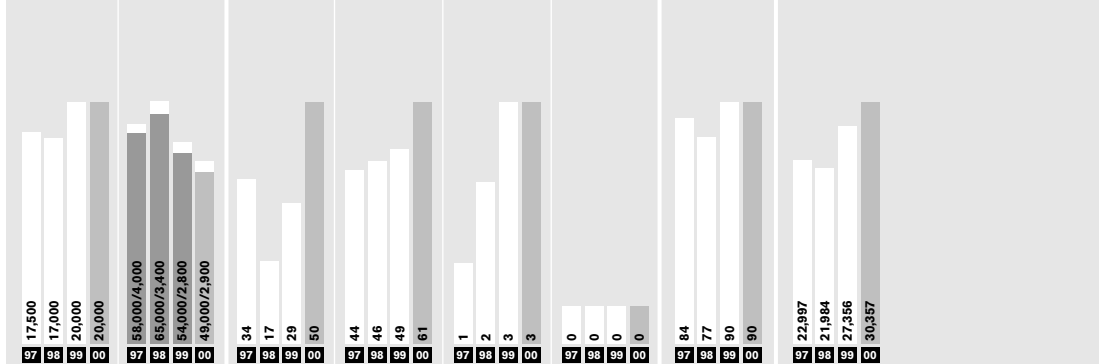
**Volvo Construction Equipment Chang Won, South Korea**  
**Operations:** Production of components; assembly of excavators and wheel loaders  
**Units:** Production hours  
 Environmental management system: 1996



**Volvo Penta Corporation Vara, Sweden**  
**Operations:** Production of diesel engines  
**Units:** Index  
 Environmental audits: 1990, 1996  
 Environmental management system: 1996  
**Comments:** Production index figures revised.



**Volvo Penta Corporation Lexington, USA**  
**Operations:** Assembly of marine engines, drives and shield kits  
**Units:** Engines  
 Environmental audits: 1993, 1998, 2000  
 Environmental management system: 1999  
**Comments:** Natural gas used to supply heating requirements.



\* White bar indicates cooling water; shaded bar indicates process water  
 N/A = Figures unavailable

**Plant**

**Volvo Penta Corporation**  
**Lundby, Gothenburg, Sweden**  
**Operations:** Diesel engine development and testing only  
**Environmental audits:** 1991, 1997, 1999  
**Environmental management system:** 1997  
**Comments:** Figures for Volvo Trucks and Volvo Penta are reported separately from 1998 on.

**Volvo Aero Corporation**  
**Bromma, Sweden**  
**Operations:** Maintenance of commercial aircraft engines  
**Units:** A = Engines; B = Auxiliary components  
**Environmental audits:** 1993

**Volvo Aero Corporation**  
**Trollhättan, Sweden**  
**Operations:** Production and maintenance of aircraft engines and gas turbines. VOAC (Volvo/Atlas Copco) manufactures hydraulic machines.  
**Units:** Production equivalent to X aircraft engines  
**Environmental audits:** 1992  
**Comments:** Diesel engine component division sold 2000. Temporary waste increase due to process malfunctioning.

**Volvo Aero**  
**Kongsberg, Norway**  
**Operations:** Production of aircraft engine components  
**Units:** Engine components  
**Environmental audits:** 1998  
**Comments:** Water meters installed 2000 to get better allocation of usage from Industrial Park.

Plant	Consumption		Emissions				Waste	Production
	Energy MWh	Water* m³	CO₂ tonne	Solvents tonne	NOx tonne	SO₂ tonne	Hazardous waste tonne	Units
Volvo Penta Corporation Lundby, Gothenburg, Sweden Operations: Diesel engine development and testing only Environmental audits: 1991, 1997, 1999 Environmental management system: 1997 Comments: Figures for Volvo Trucks and Volvo Penta are reported separately from 1998 on.	17,000 15,000 99 00	15,000 9,000/5,000 99 00	1,900 1,900 99 00	3,6 2 99 00	23,6 23,7 99 00	0,4 0,6 99 00	107 69 99 00	1,060 1,100 99 00
Volvo Aero Corporation Bromma, Sweden Operations: Maintenance of commercial aircraft engines Units: A = Engines; B = Auxiliary components Environmental audits: 1993	30,000 29,000 37,000 34,000 97 98 99 00	19,000/2,500 24,000/550 34,000/2,000 30,000/8,800 97 98 99 00	5,300 5,200 6,200 6,700 97 98 99 00	3 2 2 3 97 98 99 00	25 21 25 28 97 98 99 00	1 1 1,5 1,6 97 98 99 00	44 140 150 153 97 98 99 00	A: 129 120 120 141 97 98 99 00 B: 5,455 5,116 3,655 2,871 97 98 99 00
Volvo Aero Corporation Trollhättan, Sweden Operations: Production and maintenance of aircraft engines and gas turbines. VOAC (Volvo/Atlas Copco) manufactures hydraulic machines. Units: Production equivalent to X aircraft engines Environmental audits: 1992 Comments: Diesel engine component division sold 2000. Temporary waste increase due to process malfunctioning.	150,000 140,000 170,000 148,000 97 98 99 00	190,000/3,000,000 180,000/2,400,000 200,000/2,300,000 175,000/2,000,000 97 98 99 00	17,000 12,000 19,000 13,000 97 98 99 00	18 25 21 21 97 98 99 00	73 49 78 60 97 98 99 00	3 2 3 1 97 98 99 00	600 480 860 2,150 97 98 99 00	107 107 111 114 97 98 99 00
Volvo Aero Kongsberg, Norway Operations: Production of aircraft engine components Units: Engine components Environmental audits: 1998 Comments: Water meters installed 2000 to get better allocation of usage from Industrial Park.	21,000 19,000 99 00	49,000 19,000 99 00	0 0 99 00	1 1 99 00	0 0 99 00	0 0 99 00	266 348 99 00	38,350 36,350 99 00

\* White bar indicates cooling water; shaded bar indicates process water  
 N/A = Figures unavailable