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► **B** REGULATION (EC) No 166/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 18 January 2006

concerning the establishment of a European Pollutant Release and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC

(Text with EEA relevance)

(OJ L 33, 4.2.2006, p. 1)

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► <b><u>M2</u></b>	Regulation (EU) 2019/1010 of the European Parliament and of the Council of 5 June 2019	L 170	115	25.6.2019



**REGULATION (EC) No 166/2006 OF THE EUROPEAN  
PARLIAMENT AND OF THE COUNCIL**

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**concerning the establishment of a European Pollutant Release and  
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**(Text with EEA relevance)**

*Article 1*

**Subject matter**

This Regulation establishes an integrated pollutant release and transfer register at Community level (hereinafter ‘the European PRTR’) in the form of a publicly accessible electronic database and lays down rules for its functioning, in order to implement the UNECE Protocol on Pollutant Release and Transfer Registers (hereinafter ‘the Protocol’) and facilitate public participation in environmental decision-making, as well as contributing to the prevention and reduction of pollution of the environment.

*Article 2*

**Definitions**

For the purposes of this Regulation the following definitions shall apply:

- (1) ‘the public’ means one or more natural or legal persons, and, in accordance with national legislation or practice, their associations, organisations or groups;
- (2) ‘competent authority’ means the national authority or authorities, or any other competent body or bodies, designated by the Member States;
- (3) ‘installation’ means a stationary technical unit where one or more activities listed in Annex I are carried out, and any other directly associated activities which have a technical connection with the activities carried out on that site and which could have an effect on emissions and pollution;
- (4) ‘facility’ means one or more installations on the same site that are operated by the same natural or legal person;
- (5) ‘site’ means the geographical location of the facility;
- (6) ‘operator’ means any natural or legal person who operates or controls the facility or, where this is provided for in national legislation, to whom decisive economic power over the technical functioning of the facility has been delegated;
- (7) ‘reporting year’ means the calendar year for which data on releases of pollutants and off-site transfers must be gathered;
- (8) ‘substance’ means any chemical element and its compounds, with the exception of radioactive substances;
- (9) ‘pollutant’ means a substance or a group of substances that may be harmful to the environment or to human health on account of its properties and of its introduction into the environment;

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- (10) ‘release’ means any introduction of pollutants into the environment as a result of any human activity, whether deliberate or accidental, routine or non-routine, including spilling, emitting, discharging, injecting, disposing or dumping, or through sewer systems without final waste-water treatment;
- (11) ‘off-site transfer’ means the movement beyond the boundaries of a facility of waste destined for recovery or disposal and of pollutants in waste water destined for waste-water treatment;
- (12) ‘diffuse sources’ means the many smaller or scattered sources from which pollutants may be released to land, air or water, whose combined impact on those media may be significant and for which it is impractical to collect reports from each individual source;
- (13) ‘waste’ means any substance or object as defined in Article 1(a) of Council Directive 75/442/EEC of 15 July 1975 on waste <sup>(1)</sup>;
- (14) ‘hazardous waste’ means any substance or object as defined in Article 1(4) of Directive 91/689/EEC;
- (15) ‘waste water’ means urban, domestic and industrial waste water, as defined in Article 2(1), (2) and (3) of Council Directive 91/271/EEC of 21 May 1991 concerning urban waste water treatment <sup>(2)</sup>, and any other used water which is subject, because of the substances or objects it contains, to regulation by Community law;
- (16) ‘disposal’ means any of the operations provided for in Annex IIA to Directive 75/442/EEC;
- (17) ‘recovery’ means any of the operations provided for in Annex IIB to Directive 75/442/EEC.

*Article 3***Content of the European PRTR**

The European PRTR shall include information on:

- (a) releases of pollutants referred to in Article 5(1)(a) that must be reported by the operators of the facilities carrying out the activities listed in Annex I;
- (b) off-site transfers of waste referred to in Article 5(1)(b) and of pollutants in waste water referred to in Article 5(1)(c), that must be reported by the operators of the facilities carrying out the activities listed in Annex I;
- (c) releases of pollutants from diffuse sources referred to in Article 8(1), where available.

<sup>(1)</sup> OJ L 194, 25.7.1975, p. 39. Directive as last amended by Regulation (EC) No 1882/2003.

<sup>(2)</sup> OJ L 135, 30.5.1991, p. 40. Directive as last amended by Regulation (EC) No 1882/2003.



#### *Article 4*

##### **Design and structure**

1. The Commission shall publish the European PRTR, presenting the data in both aggregated and non-aggregated forms, so that releases and transfers can be searched for and identified by:

- (a) facility, including the facility's parent company where applicable, and its geographical location, including the river basin;
- (b) activity;
- (c) occurrence at Member State or Community level;
- (d) pollutant or waste, as appropriate;
- (e) each environmental medium (air, water, land) into which the pollutant is released;
- (f) off-site transfers of waste and their destination, as appropriate;
- (g) off-site transfers of pollutants in waste water;
- (h) diffuse sources;
- (i) facility owner or operator.

2. The European PRTR shall be designed for maximum ease of public access to allow the information, under normal operating conditions, to be continuously and readily accessible on the Internet and by other electronic means. Its design shall take into account the possibility of its future expansion and shall include all data reported for previous reporting years, up to at least the last ten previous reporting years.

3. The European PRTR shall include links to the following:

- (a) the national PRTRs of Member States;
- (b) other relevant existing, publicly accessible databases on subject matters related to PRTRs, including national PRTRs of other Parties to the Protocol and, where feasible, those of other countries;
- (c) facilities' websites if they exist and links are volunteered by the facilities.

#### *Article 5*

##### **Reporting by operators**

1. The operator of each facility that undertakes one or more of the activities specified in Annex I above the applicable capacity thresholds specified therein shall report the amounts annually to its competent authority, along with an indication of whether the information is based on measurement, calculation or estimation, of the following:

- (a) releases to air, water and land of any pollutant specified in Annex II for which the applicable threshold value specified in Annex II is exceeded;
- (b) off-site transfers of hazardous waste exceeding 2 tonnes per year or of non hazardous waste exceeding 2 000 tonnes per year, for any operations of recovery or disposal with the exception of the disposal

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operations of land treatment and deep injection referred to in Article 6, indicating with 'R' or 'D' respectively whether the waste is destined for recovery or disposal and, for transboundary movements of hazardous waste, the name and address of the recoverer or the disposer of the waste and the actual recovery or disposal site;

- (c) off-site transfers of any pollutant specified in Annex II in waste water destined for waste-water treatment for which the threshold value specified in Annex II, column 1b is exceeded.

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The operator of each facility that undertakes one or more of the activities specified in Annex I, above the applicable capacity thresholds specified therein, shall communicate, by electronic means, to its competent authority the information identifying the facility in accordance with the format referred to in Article 7(2) unless that information is already available to the competent authority.

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In the case of data indicated as being based on measurement or calculation the analytical method and/or the method of calculation shall be reported.

The releases referred to in Annex II reported under point (a) of this paragraph shall include all releases from all sources included in Annex I at the site of the facility.

2. The information referred to in paragraph 1 shall include information on releases and transfers resulting as totals of all deliberate, accidental, routine and non-routine activities.

In providing this information operators shall specify, where available, any data that relate to accidental releases.

3. The operator of each facility shall collect with appropriate frequency the information needed to determine which of the facility's releases and off-site transfers are subject to reporting requirements under paragraph 1.

4. When preparing the report, the operator concerned shall use the best available information, which may include monitoring data, emission factors, mass balance equations, indirect monitoring or other calculations, engineering judgements and other methods in line with Article 9(1) and in accordance with internationally approved methodologies, where these are available.

5. The operator of each facility concerned shall keep available for the competent authorities of the Member State the records of the data from which the reported information was derived for a period of five years, starting from the end of the reporting year concerned. These records shall also describe the methodology used for data gathering.

*Article 6***Releases to land**

Waste which is subject to 'land treatment' or 'deep injection' disposal operations, as specified in Annex IIA to Directive 75/442/EEC, shall be reported as a release to land only by the operator of the facility originating the waste.

**▼B***Article 7***Reporting by Member States**

1. The Member States shall determine, having regard to the requirements set out in paragraphs 2 and 3 of this Article, a date by which operators shall provide all the data referred to in Article 5(1) and (2) and the information referred to in Article 5(3), (4) and (5) to its competent authority.

2. Member States shall provide all the data referred to in Article 5(1) and (2) to the Commission by electronic transfer in the format set out in Annex III and within the following time-limits:

- (a) for the first reporting year, within 18 months after the end of the reporting year;
- (b) for all reporting years thereafter, within 15 months after the end of the reporting year.

The first reporting year shall be the year 2007.

3. The Commission, assisted by the European Environment Agency, shall incorporate the information reported by the Member States into the European PRTR within the following time-limits:

- (a) for the first reporting year, within 21 months after the end of the reporting year;
- (b) for all reporting years thereafter, within 16 months after the end of the reporting year.

*Article 8***Releases from diffuse sources**

1. The Commission, assisted by the European Environment Agency, shall include in the European PRTR information on releases from diffuse sources where such information exists and has already been reported by the Member States.

2. The information referred to in paragraph 1 shall be organised such as to allow users to search for and identify releases of pollutants from diffuse sources according to an adequate geographical disaggregation and shall include information on the type of methodology used to derive the information.

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3. Where the Commission determines that no data on the releases from diffuse sources exist, measures to initiate reporting on releases of relevant pollutants from one or more diffuse sources shall be taken using, where appropriate, internationally approved methodologies.

Those measures, designed to amend non-essential elements of this Regulation, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 19(3).

**▼B***Article 9***Quality assurance and assessment**

1. The operator of each facility subject to the reporting requirements set out in Article 5 shall assure the quality of the information that they report.
2. The competent authorities shall assess the quality of the data provided by the operators of the facilities referred to in paragraph 1, in particular as to their completeness, consistency and credibility.
3. The Commission shall coordinate work on quality assurance and quality assessment in consultation with the Committee referred to in Article 19(1).
4. The Commission may adopt guidelines for the monitoring and reporting of emissions in accordance with the procedure referred to in Article 19(2). These guidelines shall be in accordance with internationally approved methodologies, where appropriate, and shall be consistent with other Community legislation.

*Article 10***Access to information**

1. The Commission, assisted by the European Environment Agency, shall make the European PRTR publicly accessible by dissemination free of charge on the Internet in accordance with the timeframe set out in Article 7(3).
2. Where the information contained in the European PRTR is not easily accessible to the public by direct electronic means, the Member State concerned and the Commission shall facilitate electronic access to the European PRTR in publicly accessible locations.

**▼M2***Article 11***Confidentiality**

Whenever information is considered confidential by a Member State in accordance with Article 4 of Directive 2003/4/EC of the European Parliament and of the Council <sup>(1)</sup>, the report referred to in Article 7(2) of this Regulation for the reporting year concerned shall indicate separately for each facility which information cannot be made public and provide the reasons for this.

**▼B***Article 12***Public participation**

1. The Commission shall provide the public with early and effective opportunities to participate in the further development of the European PRTR, including capacity-building and the preparation of amendments to this Regulation.

<sup>(1)</sup> Directive 2003/4/EC of the European Parliament and of the Council of 28 January 2003 on public access to environmental information and repealing Council Directive 90/313/EEC (OJ L 41, 14.2.2003, p. 26).

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2. The public shall have the opportunity to submit any relevant comments, information, analyses or opinions within a reasonable time-frame.
3. The Commission shall take due account of such input and shall inform the public about the outcome of the public participation.

*Article 13***Access to justice**

Access to justice in matters relating to public access to environmental information shall be ensured in accordance with Article 6 of Directive 2003/4/EC and, where the institutions of the Community are involved, in accordance with Articles 6, 7 and 8 of Regulation (EC) No 1049/2001 of the European Parliament and of the Council of 30 May 2001 regarding public access to European Parliament, Council and Commission documents <sup>(1)</sup>.

*Article 14***Guidance document**

1. The Commission shall draw up a guidance document supporting the implementation of the European PRTR as soon as possible but no later than four months before the beginning of the first reporting year and in consultation with the Committee referred to in Article 19(1).
2. The guidance document for implementation of the European PRTR shall address in particular details on the following:
  - (a) reporting procedures;
  - (b) the data to be reported;
  - (c) quality assurance and assessment;
  - (d) indication of type of withheld data and reasons why they were withheld in the case of confidential data;
  - (e) reference to internationally approved release determination and analytical methods, sampling methodologies;
  - (f) indication of parent companies;
  - (g) coding of activities according to Annex I to this Regulation and to Directive 96/61/EC.

*Article 15***Awareness raising**

The Commission and the Member States shall promote awareness of the public of the European PRTR and shall ensure that assistance is provided in accessing the European PRTR and in understanding and using the information contained in it.

<sup>(1)</sup> OJ L 145, 31.5.2001, p. 43.



▼ M2▼ M1*Article 18***Amendments to the Annexes**

The Commission shall make any necessary amendments to the annexes for the following purposes:

- (a) the adaptation of Annexes II or III to scientific or technical progress;
- (b) the adaptation of Annexes II and III as a result of the adoption by the Meeting of the Parties to the Protocol of any amendment to the Annexes to the Protocol.

Those measures, designed to amend non-essential elements of this Regulation, shall be adopted in accordance with the regulatory procedure with scrutiny referred to in Article 19(3).

▼ B*Article 19***Committee Procedure**

1. The Commission shall be assisted by a committee.
2. Where reference is made to this paragraph, Articles 5 and 7 of Decision 1999/468/EC shall apply, having regard to the provisions of Article 8 thereof.

The period provided for in Article 5(6) of Decision 1999/468/EC shall be set at three months.

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3. Where reference is made to this paragraph, Article 5a(1) to (4) and Article 7 of Decision 1999/468/EC shall apply, having regard to the provisions of Article 8 thereof.

▼ B*Article 20***Penalties**

1. Member States shall lay down the rules on penalties applicable to infringements of the provisions of this Regulation and shall take all measures necessary to ensure that they are implemented. The penalties provided for must be effective, proportionate and dissuasive.
2. The Member States shall notify those provisions to the Commission one year after entry into force of this Regulation at the latest and shall notify it without delay of any subsequent amendment affecting them.

*Article 21***Amendments to Directives 91/689/EEC and 96/61/EC**

1. Article 8(3) of Directive 91/689/EEC shall be deleted.
2. Article 15(3) of Directive 96/61/EC shall be deleted.

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*Article 22*

**Entry into force**

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.



## ANNEX I

## Activities

No	Activity	Capacity threshold
1.	Energy sector	
(a)	Mineral oil and gas refineries	* <sup>(1)</sup>
(b)	Installations for gasification and liquefaction	*
(c)	Thermal power stations and other combustion installations	With a heat input of 50 megawatts (MW)
(d)	Coke ovens	*
(e)	Coal rolling mills	With a capacity of 1 tonne per hour
(f)	Installations for the manufacture of coal products and solid smokeless fuel	*
2.	Production and processing of metals	
(a)	Metal ore (including sulphide ore) roasting or sintering installations	*
(b)	Installations for the production of pig iron or steel (primary or secondary melting) including continuous casting	With a capacity of 2,5 tonnes per hour
(c)	Installations for the processing of ferrous metals:	
	(i) Hot-rolling mills	With a capacity of 20 tonnes of crude steel per hour
	(ii) Smitheries with hammers	With an energy of 50 kilojoules per hammer, where the calorific power used exceeds 20 MW
	(iii) Application of protective fused metal coats	With an input of 2 tonnes of crude steel per hour
(d)	Ferrous metal foundries	With a production capacity of 20 tonnes per day
(e)	Installations:	
	(i) For the production of non-ferrous crude metals from ore, concentrates or secondary raw materials by metallurgical, chemical or electrolytic processes	*
	(ii) For the smelting, including the alloying, of non-ferrous metals, including recovered products (refining, foundry casting, etc.)	With a melting capacity of 4 tonnes per day for lead and cadmium or 20 tonnes per day for all other metals
(f)	Installations for surface treatment of metals and plastic materials using an electrolytic or chemical process	Where the volume of the treatment vats equals 30 m <sup>3</sup>
3.	Mineral industry	
(a)	Underground mining and related operations	*

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No	Activity	Capacity threshold
(b)	Opencast mining and quarrying	Where the surface of the area effectively under extractive operation equals 25 hectares
(c)	Installations for the production of: <ul style="list-style-type: none"> <li>(i) Cement clinker in rotary kilns</li> <li>(ii) Lime in rotary kilns</li> <li>(iii) Cement clinker or lime in other furnaces</li> </ul>	<p>With a production capacity of 500 tonnes per day</p> <p>With a production capacity of 50 tonnes per day</p> <p>With a production capacity of 50 tonnes per day</p>
(d)	Installations for the production of asbestos and the manufacture of asbestos-based products	*
(e)	Installations for the manufacture of glass, including glass fibre	With a melting capacity of 20 tonnes per day
(f)	Installations for melting mineral substances, including the production of mineral fibres	With a melting capacity of 20 tonnes per day
(g)	Installations for the manufacture of ceramic products by firing, in particular roofing tiles, bricks, refractory bricks, tiles, stoneware or porcelain	With a production capacity of 75 tonnes per day, or with a kiln capacity of 4 m <sup>3</sup> and with a setting density per kiln of 300 kg/m <sup>3</sup>
4.	Chemical industry	
(a)	Chemical installations for the production on an industrial scale of basic organic chemicals, such as: <ul style="list-style-type: none"> <li>(i) Simple hydrocarbons (linear or cyclic, saturated or unsaturated, aliphatic or aromatic)</li> <li>(ii) Oxygen-containing hydrocarbons such as alcohols, aldehydes, ketones, carboxylic acids, esters, acetates, ethers, peroxides, epoxy resins</li> <li>(iii) Sulphurous hydrocarbons</li> <li>(iv) Nitrogenous hydrocarbons such as amines, amides, nitrous compounds, nitro compounds or nitrate compounds, nitriles, cyanates, isocyanates</li> <li>(v) Phosphorus-containing hydrocarbons</li> <li>(vi) Halogenic hydrocarbons</li> <li>(vii) Organometallic compounds</li> <li>(viii) Basic plastic materials (polymers, synthetic fibres and cellulose-based fibres)</li> <li>(ix) Synthetic rubbers</li> <li>(x) Dyes and pigments</li> <li>(xi) Surface-active agents and surfactants</li> </ul>	*
(b)	Chemical installations for the production on an industrial scale of basic inorganic chemicals, such as: <ul style="list-style-type: none"> <li>(i) Gases, such as ammonia, chlorine or hydrogen chloride, fluorine or hydrogen fluoride, carbon oxides, sulphur compounds, nitrogen oxides, hydrogen, sulphur dioxide, carbonyl chloride</li> <li>(ii) Acids, such as chromic acid, hydrofluoric acid, phosphoric acid, nitric acid, hydrochloric acid, sulphuric acid, oleum, sulphurous acids</li> </ul>	*

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No	Activity	Capacity threshold
	(iii) Bases, such as ammonium hydroxide, potassium hydroxide, sodium hydroxide (iv) Salts, such as ammonium chloride, potassium chlorate, potassium carbonate, sodium carbonate, perborate, silver nitrate (v) Non-metals, metal oxides or other inorganic compounds such as calcium carbide, silicon, silicon carbide	
(c)	Chemical installations for the production on an industrial scale of phosphorous-, nitrogen- or potassium-based fertilisers (simple or compound fertilisers)	*
(d)	Chemical installations for the production on an industrial scale of basic plant health products and of biocides	*
(e)	Installations using a chemical or biological process for the production on an industrial scale of basic pharmaceutical products	*
(f)	Installations for the production on an industrial scale of explosives and pyrotechnic products	*
5.	Waste and wastewater management	
(a)	Installations for the recovery or disposal of hazardous waste	Receiving 10 tonnes per day
(b)	Installations for the incineration of non-hazardous waste in the scope of Directive 2000/76/EC of the European Parliament and of the Council of 4 December 2000 on the incineration of waste <sup>(2)</sup>	With a capacity of 3 tonnes per hour
(c)	Installations for the disposal of non-hazardous waste	With a capacity of 50 tonnes per day
(d)	Landfills (excluding landfills of inert waste and landfills, which were definitely closed before 16.7.2001 or for which the after-care phase required by the competent authorities according to Article 13 of Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste <sup>(3)</sup> has expired)	Receiving 10 tonnes per day or with a total capacity of 25 000 tonnes
(e)	Installations for the disposal or recycling of animal carcasses and animal waste	With a treatment capacity of 10 tonnes per day
(f)	Urban waste-water treatment plants	With a capacity of 100 000 population equivalents
(g)	Independently operated industrial waste-water treatment plants which serve one or more activities of this annex	With a capacity of 10 000 m <sup>3</sup> per day <sup>(4)</sup>
6.	Paper and wood production and processing	
(a)	Industrial plants for the production of pulp from timber or similar fibrous materials	*
(b)	Industrial plants for the production of paper and board and other primary wood products (such as chipboard, fibreboard and plywood)	With a production capacity of 20 tonnes per day
(c)	Industrial plants for the preservation of wood and wood products with chemicals	With a production capacity of 50 m <sup>3</sup> per day
7.	Intensive livestock production and aquaculture	
(a)	Installations for the intensive rearing of poultry or pigs	(i) With 40 000 places for poultry (ii) With 2 000 places for production pigs (over 30 kg) (iii) With 750 places for sows

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No	Activity	Capacity threshold
(b)	Intensive aquaculture	With a production capacity of 1 000 tonnes of fish or shellfish per year
8.	Animal and vegetable products from the food and beverage sector	
(a)	Slaughterhouses	With a carcass production capacity of 50 tonnes per day
(b)	Treatment and processing intended for the production of food and beverage products from:	
	(i) Animal raw materials (other than milk)	With a finished product production capacity of 75 tonnes per day
	(ii) Vegetable raw materials	With a finished product production capacity of 300 tonnes per day (average value on a quarterly basis)
(c)	Treatment and processing of milk	With a capacity to receive 200 tonnes of milk per day (average value on an annual basis)
9.	Other activities	
(a)	Plants for the pre-treatment (operations such as washing, bleaching, mercerisation) or dyeing of fibres or textiles	With a treatment capacity of 10 tonnes per day
(b)	Plants for the tanning of hides and skins	With a treatment capacity of 12 tonnes of finished product per day
(c)	Installations for the surface treatment of substances, objects or products using organic solvents, in particular for dressing, printing, coating, degreasing, waterproofing, sizing, painting, cleaning or impregnating	With a consumption capacity of 150 kg per hour or 200 tonnes per year
(d)	Installations for the production of carbon (hard-burnt coal) or electro-graphite by means of incineration or graphitisation	*
(e)	Installations for the building of, and painting or removal of paint from ships	With a capacity for ships 100 m long

(1) An asterisk (\*) indicates that no capacity threshold is applicable (all facilities are subject to reporting).

(2) OJ L 332, 28.12.2000, p. 91.

(3) OJ L 182, 16.7.1999, p. 1. Directive as amended by Regulation (EC) No 1882/2003.

(4) The capacity threshold shall be reviewed by 2010 at the latest in the light of the results of the first reporting cycle.

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## ANNEX II

## Pollutants (\*)

No	CAS number	Pollutant <sup>(1)</sup>	Threshold for releases (column 1)		
			to air (column 1a) kg/year	to water (column 1b) kg/year	to land (column 1c) kg/year
1	74-82-8	Methane (CH <sub>4</sub> )	100 000	— <sup>(2)</sup>	—
2	630-08-0	Carbon monoxide (CO)	500 000	—	—
3	124-38-9	Carbon dioxide (CO <sub>2</sub> )	100 million	—	—
4		Hydro-fluorocarbons (HFCs) <sup>(3)</sup>	100	—	—
5	10024-97-2	Nitrous oxide (N <sub>2</sub> O)	10 000	—	—
6	7664-41-7	Ammonia (NH <sub>3</sub> )	10 000	—	—
7		Non-methane volatile organic compounds (NMVOC)	100 000	—	—
8		Nitrogen oxides (NO <sub>x</sub> /NO <sub>2</sub> )	100 000	—	—
9		Perfluorocarbons (PFCs) <sup>(4)</sup>	100	—	—
10	2551-62-4	Sulphur hexafluoride (SF <sub>6</sub> )	50	—	—
11		Sulphur oxides (SO <sub>x</sub> /SO <sub>2</sub> )	150 000	—	—
12		Total nitrogen	—	50 000	50 000
13		Total phosphorus	—	5 000	5 000
14		Hydrochlorofluorocarbons (HCFCs) <sup>(5)</sup>	1	—	—
15		Chlorofluorocarbons (CFCs) <sup>(6)</sup>	1	—	—
16		Halons <sup>(7)</sup>	1	—	—
17		Arsenic and compounds (as As) <sup>(8)</sup>	20	5	5
18		Cadmium and compounds (as Cd) <sup>(8)</sup>	10	5	5
19		Chromium and compounds (as Cr) <sup>(8)</sup>	100	50	50
20		Copper and compounds (as Cu) <sup>(8)</sup>	100	50	50
21		Mercury and compounds (as Hg) <sup>(8)</sup>	10	1	1
22		Nickel and compounds (as Ni) <sup>(8)</sup>	50	20	20
23		Lead and compounds (as Pb) <sup>(8)</sup>	200	20	20
24		Zinc and compounds (as Zn) <sup>(8)</sup>	200	100	100
25	15972-60-8	Alachlor	—	1	1
26	309-00-2	Aldrin	1	1	1
27	1912-24-9	Atrazine	—	1	1
28	57-74-9	Chlordane	1	1	1

(\*) Releases of pollutants falling into several categories of pollutants shall be reported for each of these categories.

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No	CAS number	Pollutant <sup>(1)</sup>	Threshold for releases (column 1)		
			to air (column 1a) kg/year	to water (column 1b) kg/year	to land (column 1c) kg/year
29	143-50-0	Chlordecone	1	1	1
30	470-90-6	Chlorfenvinphos	—	1	1
31	85535-84-8	Chloro-alkanes, C <sub>10</sub> -C <sub>13</sub>	—	1	1
32	2921-88-2	Chlorpyrifos	—	1	1
33	50-29-3	DDT	1	1	1
34	107-06-2	1,2-dichloroethane (EDC)	1 000	10	10
35	75-09-2	Dichloromethane (DCM)	1 000	10	10
36	60-57-1	Dieldrin	1	1	1
37	330-54-1	Diuron	—	1	1
38	115-29-7	Endosulphan	—	1	1
39	72-20-8	Endrin	1	1	1
40		Halogenated organic compounds (as AOX) <sup>(9)</sup>	—	1 000	1 000
41	76-44-8	Heptachlor	1	1	1
42	118-74-1	Hexachlorobenzene (HCB)	10	1	1
43	87-68-3	Hexachlorobutadiene (HCBd)	—	1	1
44	608-73-1	1,2,3,4,5,6-hexachlorocyclohexane(HCH)	10	1	1
45	58-89-9	Lindane	1	1	1
46	2385-85-5	Mirex	1	1	1
47		PCDD + PCDF (dioxins + furans) (as Teq) <sup>(10)</sup>	0,0001	0,0001	0,0001
48	608-93-5	Pentachlorobenzene	1	1	1
49	87-86-5	Pentachlorophenol (PCP)	10	1	1
50	1336-36-3	Polychlorinated biphenyls (PCBs)	0,1	0,1	0,1
51	122-34-9	Simazine	—	1	1
52	127-18-4	Tetrachloroethylene (PER)	2 000	10	—
53	56-23-5	Tetrachloromethane (TCM)	100	1	—
54	12002-48-1	Trichlorobenzenes (TCBs) (all isomers)	10	1	—
55	71-55-6	1,1,1-trichloroethane	100	—	—
56	79-34-5	1,1,1,2-tetrachloroethane	50	—	—
57	79-01-6	Trichloroethylene	2 000	10	—
58	67-66-3	Trichloromethane	500	10	—
59	8001-35-2	Toxaphene	1	1	1
60	75-01-4	Vinyl chloride	1 000	10	10



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No	CAS number	Pollutant <sup>(1)</sup>	Threshold for releases (column 1)		
			to air (column 1a) kg/year	to water (column 1b) kg/year	to land (column 1c) kg/year
61	120-12-7	Anthracene	50	1	1
62	71-43-2	Benzene	1 000	200 (as BTEX) <sup>(11)</sup>	200 (as BTEX) <sup>(11)</sup>
63		Brominated diphenylethers (PBDE) <sup>(12)</sup>	—	1	1
64		Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	—	1	1
65	100-41-4	Ethyl benzene	—	200 (as BTEX) <sup>(11)</sup>	200 (as BTEX) <sup>(11)</sup>
66	75-21-8	Ethylene oxide	1 000	10	10
67	34123-59-6	Isoproturon	—	1	1
68	91-20-3	Naphthalene	100	10	10
69		Organotin compounds(as total Sn)	—	50	50
70	117-81-7	Di-(2-ethyl hexyl) phthalate (DEHP)	10	1	1
71	108-95-2	Phenols (as total C) <sup>(13)</sup>	—	20	20
72		Polycyclic aromatic hydrocarbons (PAHs) <sup>(14)</sup>	50	5	5
73	108-88-3	Toluene	—	200 (as BTEX) <sup>(11)</sup>	200 (as BTEX) <sup>(11)</sup>
74		Tributyltin and compounds <sup>(15)</sup>	—	1	1
75		Triphenyltin and compounds <sup>(16)</sup>	—	1	1
76		Total organic carbon (TOC) (as total C or COD/3)	—	50 000	—
77	1582-09-8	Trifluralin	—	1	1
78	1330-20-7	Xylenes <sup>(17)</sup>	—	200 (as BTEX) <sup>(11)</sup>	200 (as BTEX) <sup>(11)</sup>
79		Chlorides (as total Cl)	—	2 million	2 million
80		Chlorine and inorganic compounds (as HCl)	10 000	—	—
81	1332-21-4	Asbestos	1	1	1
82		Cyanides (as total CN)	—	50	50
83		Fluorides (as total F)	—	2 000	2 000
84		Fluorine and inorganic compounds (as HF)	5 000	—	—
85	74-90-8	Hydrogen cyanide (HCN)	200	—	—
86		Particulate matter (PM <sub>10</sub> )	50 000	—	—
87	1806-26-4	Octylphenols and Octylphenol ethoxylates	—	1	—

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No	CAS number	Pollutant <sup>(1)</sup>	Threshold for releases (column 1)		
			to air (column 1a) kg/year	to water (column 1b) kg/year	to land (column 1c) kg/year
88	206-44-0	Fluoranthene	—	1	—
89	465-73-6	Isodrin	—	1	—
90	36355-1-8	Hexabromobiphenyl	0,1	0,1	0,1
91	191-24-2	Benzo(g,h,i)perylene		1	

<sup>(1)</sup> Unless otherwise specified any pollutant specified in Annex II shall be reported as the total mass of that pollutant or, where the pollutant is a group of substances, as the total mass of the group.

<sup>(2)</sup> A hyphen (—) indicates that the parameter and medium in question do not trigger a reporting requirement.

<sup>(3)</sup> Total mass of hydrogen fluorocarbons: sum of HFC23, HFC32, HFC41, HFC4310mee, HFC125, HFC134, HFC134a, HFC152a, HFC143, HFC143a, HFC227ea, HFC236fa, HFC245ca, HFC365mfc.

<sup>(4)</sup> Total mass of perfluorocarbons: sum of CF<sub>4</sub>, C<sub>2</sub>F<sub>6</sub>, C<sub>3</sub>F<sub>8</sub>, C<sub>4</sub>F<sub>10</sub>, c-C<sub>4</sub>F<sub>8</sub>, C<sub>5</sub>F<sub>12</sub>, C<sub>6</sub>F<sub>14</sub>.

<sup>(5)</sup> Total mass of substances including their isomers listed in Group VIII of Annex I to Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer (OJ L 244, 29.9.2000, p. 1). Regulation as amended by Regulation (EC) No 1804/2003 (OJ L 265, 16.10.2003, p. 1).

<sup>(6)</sup> Total mass of substances including their isomers listed in Group I and II of Annex I to Regulation (EC) No 2037/2000.

<sup>(7)</sup> Total mass of substances including their isomers listed in Group III and VI of Annex I to Regulation (EC) No 2037/2000.

<sup>(8)</sup> All metals shall be reported as the total mass of the element in all chemical forms present in the release.

<sup>(9)</sup> Halogenated organic compounds which can be adsorbed to activated carbon expressed as chloride.

<sup>(10)</sup> Expressed as I-TEQ.

<sup>(11)</sup> Single pollutants are to be reported if the threshold for BTEX (the sum parameter of benzene, toluene, ethyl benzene, xylenes) is exceeded.

<sup>(12)</sup> Total mass of the following brominated diphenylethers: penta-BDE, octa-BDE and deca-BDE.

<sup>(13)</sup> Total mass of phenol and simple substituted phenols expressed as total carbon.

<sup>(14)</sup> Polycyclic aromatic hydrocarbons (PAHs) are to be measured for reporting of releases to air as benzo(a)pyrene (50-32-8), benzo(b)fluoranthene (205-99-2), benzo(k)fluoranthene (207-08-9), indeno(1,2,3-cd)pyrene (193-39-5) (derived from Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants (OJ L 229, 29.6.2004, p. 5)).

<sup>(15)</sup> Total mass of tributyltin compounds, expressed as mass of tributyltin.

<sup>(16)</sup> Total mass of triphenyltin compounds, expressed as mass of triphenyltin.

<sup>(17)</sup> Total mass of xylene (ortho-xylene, meta-xylene, para-xylene).



## ANNEX III

## Format for the reporting of release and transfer data by Member States to the Commission

<b>Reference year</b>			
<b>Identification of the facility</b>			
Name of the parent company Name of the facility Identification number of facility Street address Town/village Postal code Country Coordinates of the location River basin district (1) NACE-code (4 digits) Main economic activity Production volume (optional) Number of installations (optional) Number of operating hours in year (optional) Number of employees (optional) Text field for textual information or website address delivered by facility or parent company (optional)			
<b>All Annex I activities of the facility (according to the coding system given in Annex I and the IPPC code where available)</b>			
Activity 1 (main Annex I activity) Activity 2 Activity N			
<b>Release data to air for the facility for each pollutant exceeding threshold value (according to Annex II)</b>			Releases to air
Pollutant 1 Pollutant 2 Pollutant N	M: measured; Analytical Method used C: calculated; Calculation Method used E: estimated	T: Total in kg/year A: accidental in kg/year	
<b>Release data to water for the facility for each pollutant exceeding threshold value (according to Annex II)</b>			Releases to water
Pollutant 1 Pollutant 2 Pollutant N	M: measured; Analytical Method used C: calculated; Calculation Method used E: estimated	T: Total in kg/year A: accidental in kg/year	
<b>Release data to land for the facility for each pollutant exceeding threshold value (according to Annex II)</b>			Releases to land
Pollutant 1 Pollutant 2 Pollutant N	M: measured; Analytical Method used C: calculated; Calculation Method used E: estimated	T: Total in kg/year A: accidental in kg/year	

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<b>Off-site transfer of each pollutant destined for waste-water treatment in quantities exceeding threshold value (according to Annex II)</b>		
Pollutant 1 Pollutant 2 Pollutant N	M: measured; Analytical Method used C: calculated; Calculation Method used E: estimated	in kg/year
<b>Off-site transfers of hazardous waste for the facility exceeding threshold value (according to Article 5)</b>		
<u>Within the country:</u> For Recovery (R)	M: measured; Analytical Method used C: calculated; Calculation Method used E: estimated	in tonnes/year
<u>Within the country:</u> For Disposal (D)	M: measured; Analytical Method used C: calculated; Calculation Method used E: estimated	in tonnes/year
<u>To other countries:</u> For Recovery (R) Name of the recoverer Address of the recoverer Address of actual recovery site receiving the transfer	M: measured; Analytical Method used C: calculated; Calculation Method used E: estimated	in tonnes/year
<u>To other countries:</u> For Disposal (D) Name of the disposer Address of the disposer Address of actual disposal site receiving the transfer	M: measured; Analytical Method used C: calculated; Calculation Method used E: estimated	in tonnes/year
<b>Off-site transfer of non-hazardous waste for the facility exceeding threshold value (according to Article 5)</b>		
For Recovery (R)	M: measured; Analytical Method used C: calculated; Calculation Method used E: estimated	in tonnes/year
For Disposal (D)	M: measured; Analytical Method used C: calculated; Calculation Method used E: estimated	in tonnes/year
<b>Competent authority for requests of the public:</b> Name Street address Town/village Telephone No Fax No E-mail address		
<p>(<sup>1</sup>) According to Article 3(1) of Directive 2000/60/EC of the European Parliament and of the Council of 23 October 2000 establishing a framework for Community action in the field of water policy (OJ L 327, 22.12.2000, p. 1). Directive as amended by Decision No 2455/2001/EC (OJ L 331, 15.12.2001, p. 1).</p>		