

Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control) (Recast) (Text with EEA relevance)

CHAPTER I

COMMON PROVISIONS

Article 1	Subject matter
Article 2	Scope
Article 3	Definitions
Article 4	Obligation to hold a permit
Article 5	Granting of a permit
Article 6	General binding rules
Article 7	Incidents and accidents
Article 8	Non-compliance
Article 9	Emission of greenhouse gases

CHAPTER II

PROVISIONS FOR ACTIVITIES LISTED IN ANNEX I

Article 10	Scope
Article 11	General principles governing the basic obligations of the operator
Article 12	Applications for permits
Article 13	BAT reference documents and exchange of information
Article 14	Permit conditions
Article 15	Emission limit values, equivalent parameters and technical measures
Article 16	Monitoring requirements
Article 17	General binding rules for activities listed in Annex I
Article 18	Environmental quality standards
Article 19	Developments in best available techniques
Article 20	Changes by operators to installations
Article 21	Reconsideration and updating of permit conditions by the competent authority
Article 22	Site closure
Article 23	Environmental inspections
Article 24	Access to information and public participation in the permit procedure
Article 25	Access to justice
Article 26	Transboundary effects
Article 27	Emerging techniques

CHAPTER III

SPECIAL PROVISIONS FOR COMBUSTION PLANTS

Article 28	Scope
------------	-------

Article 29	Aggregation rules
Article 30	Emission limit values
Article 31	Desulphurisation rate
Article 32	Transitional National Plan
Article 33	Limited life time derogation
Article 34	Small isolated systems
Article 35	District heating plants
Article 36	Geological storage of carbon dioxide
Article 37	Malfunction or breakdown of the abatement equipment
Article 38	Monitoring of emissions into air
Article 39	Compliance with emission limit values
Article 40	Multi-fuel firing combustion plants
Article 41	Implementing rules

CHAPTER IV

SPECIAL PROVISIONS FOR WASTE INCINERATION PLANTS AND WASTE CO-INCINERATION PLANTS

Article 42	Scope
Article 43	Definition of residue
Article 44	Applications for permits
Article 45	Permit conditions
Article 46	Control of emissions
Article 47	Breakdown
Article 48	Monitoring of emissions
Article 49	Compliance with emission limit values
Article 50	Operating conditions
Article 51	Authorisation to change operating conditions
Article 52	Delivery and reception of waste
Article 53	Residues
Article 54	Substantial change
Article 55	Reporting and public information on waste incineration plants and waste co-incineration plants

CHAPTER V

SPECIAL PROVISIONS FOR INSTALLATIONS AND ACTIVITIES USING ORGANIC SOLVENTS

Article 56	Scope
Article 57	Definitions
Article 58	Substitution of hazardous substances
Article 59	Control of emissions
Article 60	Monitoring of emissions
Article 61	Compliance with emission limit values
Article 62	Reporting on compliance
Article 63	Substantial change to existing installations
Article 64	Exchange of information on substitution of organic solvents
Article 65	Access to information

CHAPTER VI

SPECIAL PROVISIONS FOR INSTALLATIONS PRODUCING TITANIUM DIOXIDE

Article 66	Scope
Article 67	Prohibition of the disposal of waste
Article 68	Control of emissions into water
Article 69	Prevention and control of emissions into air
Article 70	Monitoring of emissions

CHAPTER VII

COMMITTEE, TRANSITIONAL AND FINAL PROVISIONS

Article 71	Competent authorities
Article 72	Reporting by Member States
Article 73	Review
Article 74	Amendments of Annexes
Article 75	Committee procedure
Article 76	Exercise of the delegation
Article 77	Revocation of the delegation
Article 78	Objections to delegated acts
Article 79	Penalties
Article 80	Transposition
Article 81	Repeal
Article 82	Transitional provisions
Article 83	Entry into force
Article 84	Addressees

ANNEX I

Categories of activities referred to in Article 10

1. Energy industries
 - 1.1. Combustion of fuels in installations with a total rated thermal...
 - 1.2. Refining of mineral oil and gas
 - 1.3. Production of coke
 - 1.4. Gasification or liquefaction of:
2. Production and processing of metals
 - 2.1. Metal ore (including sulphide ore) roasting or sintering
 - 2.2. Production of pig iron or steel (primary or secondary fusion)...
 - 2.3. Processing of ferrous metals:
 - 2.4. Operation of ferrous metal foundries with a production capacity exceeding...
 - 2.5. Processing of non-ferrous metals:
 - 2.6. Surface treatment of metals or plastic materials using an electrolytic...
3. Mineral industry
 - 3.1. Production of cement, lime and magnesium oxide:

- 3.2. Production of asbestos or the manufacture of asbestos-based products
- 3.3. Manufacture of glass including glass fibre with a melting capacity...
- 3.4. Melting mineral substances including the production of mineral fibres with...
- 3.5. Manufacture of ceramic products by firing, in particular roofing tiles,...
- 4. Chemical industry
 - 4.1. Production of organic chemicals, such as:
 - 4.2. Production of inorganic chemicals, such as:
 - 4.3. Production of phosphorous-, nitrogen- or potassium-based fertilisers (simple or compound...
 - 4.4. Production of plant protection products or of biocides
 - 4.5. Production of pharmaceutical products including intermediates
 - 4.6. Production of explosives
- 5. Waste management
 - 5.1. Disposal or recovery of hazardous waste with a capacity exceeding...
 - 5.2. Disposal or recovery of waste in waste incineration plants or...
 - 5.3. Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per...
 - 5.4. Landfills, as defined in Article 2(g) of Council Directive 1999/31/EC of...
 - 5.5. Temporary storage of hazardous waste not covered under point 5.4 pending...
 - 5.6. Underground storage of hazardous waste with a total capacity exceeding...
- 6. Other activities
 - 6.1. Production in industrial installations of:
 - 6.2. Pre-treatment (operations such as washing, bleaching, mercerisation) or dyeing of...
 - 6.3. Tanning of hides and skins where the treatment capacity exceeds...
 - 6.4. Operating slaughterhouses with a carcass production capacity greater than 50 tonnes...
 - 6.5. Disposal or recycling of animal carcasses or animal waste with...
 - 6.6. Intensive rearing of poultry or pigs:
 - 6.7. Surface treatment of substances, objects or products using organic solvents,...
 - 6.8. Production of carbon (hard-burnt coal) or electrographite by means of...
 - 6.9. Capture of CO₂ streams from installations covered by this Directive...
 - 6.10. Preservation of wood and wood products with chemicals with a...
 - 6.11. Independently operated treatment of waste water not covered by Directive...

ANNEX II

List of polluting substances

AIR

- 1. Sulphur dioxide and other sulphur compounds
- 2. Oxides of nitrogen and other nitrogen compounds
- 3. Carbon monoxide
- 4. Volatile organic compounds
- 5. Metals and their compounds
- 6. Dust including fine particulate matter
- 7. Asbestos (suspended particulates, fibres)
- 8. Chlorine and its compounds
- 9. Fluorine and its compounds
- 10. Arsenic and its compounds

11. Cyanides
12. Substances and mixtures which have been proved to possess carcinogenic...
13. Polychlorinated dibenzodioxins and polychlorinated dibenzofurans

WATER

1. Organohalogen compounds and substances which may form such compounds in...
2. Organophosphorus compounds
3. Organotin compounds
4. Substances and mixtures which have been proved to possess carcinogenic...
5. Persistent hydrocarbons and persistent and bioaccumulable organic toxic substances
6. Cyanides
7. Metals and their compounds
8. Arsenic and its compounds
9. Biocides and plant protection products
10. Materials in suspension
11. Substances which contribute to eutrophication (in particular, nitrates and phosphates)
12. Substances which have an unfavourable influence on the oxygen balance...
13. Substances listed in Annex X to Directive 2000/60/EC

ANNEX III

Criteria for determining best available techniques

1. the use of low-waste technology;
2. the use of less hazardous substances;
3. the furthering of recovery and recycling of substances generated and...
4. comparable processes, facilities or methods of operation which have been...
5. technological advances and changes in scientific knowledge and understanding;
6. the nature, effects and volume of the emissions concerned;
7. the commissioning dates for new or existing installations;
8. the length of time needed to introduce the best available...
9. the consumption and nature of raw materials (including water) used...
10. the need to prevent or reduce to a minimum the...
11. the need to prevent accidents and to minimise the consequences...
12. information published by public international organisations.

ANNEX IV

Public participation in decision-making

1. The public shall be informed (by public notices or other...
2. Member States shall ensure that, within appropriate time-frames, the following...
3. The public concerned shall be entitled to express comments and...
4. The results of the consultations held pursuant to this Annex...
5. The detailed arrangements for informing the public (for example by...

ANNEX V

Technical provisions relating to combustion plants

PART 1

Emission limit values for combustion plants referred to in Article 30(2)

1. All emission limit values shall be calculated at a temperature...
2. Emission limit values (mg/Nm³) for SO₂ for combustion plants using...
3. Emission limit values (mg/Nm³) for SO₂ for combustion plants using...
4. Emission limit values (mg/Nm³) for NO_x for combustion plants using...
5. Gas turbines (including combined cycle gas turbines (CCGT)) using light...
6. Emission limit values (mg/Nm³) for NO_x and CO for gas...
7. Emission limit values (mg/Nm³) for dust for combustion plants using...
8. Emission limit values (mg/Nm³) for dust for combustion plants using...

PART 2

Emission limit values for combustion plants referred to in Article 30(3)

1. All emission limit values shall be calculated at a temperature...
2. Emission limit values (mg/Nm³) for SO₂ for combustion plants using...
3. Emission limit values (mg/Nm³) for SO₂ for combustion plants using...
4. Emission limit values (mg/Nm³) for NO_x for combustion plants using...
5. Gas turbines (including CCGT) using light and middle distillates as...
6. Emission limit values (mg/Nm³) for NO_x and CO for gas...

7. Emission limit values (mg/Nm³) for dust for combustion plants using...

8. Emission limit values (mg/Nm³) for dust for combustion plants using...

PART 3

Emission monitoring

1. The concentrations of SO₂, NO_x and dust in waste gases...

2. The competent authority may decide not to require the continuous...

3. Where continuous measurements are not required, measurements of SO₂, NO_x,...

4. For combustion plants firing coal or lignite, the emissions of...

5. As an alternative to the measurements of SO₂ and NO_x...

6. The competent authority shall be informed of significant changes in...

7. The continuous measurements carried out in accordance with point 1 shall...

8. Sampling and analysis of relevant polluting substances and measurements of...

9. At the emission limit value level, the values of the...

10. The validated hourly and daily average values shall be determined...

11. In the case of plants which must comply with the...

PART 4

Assessment of compliance with emission limit values

1. In the case of continuous measurements, the emission limit values...

2. Where continuous measurements are not required, the emission limit values...

PART 5

Minimum rate of desulphurisation

1. Minimum rate of desulphurisation for combustion plants referred to in...

2. Minimum rate of desulphurisation for combustion plants referred to in...

PART 6

Compliance with rate of desulphurisation

PART 7

Average emission limit values for multi-fuel firing combustion plants within a refinery

ANNEX VI

Technical provisions relating to waste incineration plants and waste co-incineration plants

PART 1

Definitions

PART 2

Equivalence factors for dibenzo-p-dioxins and dibenzofurans

PART 3

Air emission limit values for waste incineration plants

1. All emission limit values shall be calculated at a temperature...
 - 1.1. Daily average emission limit values for the following polluting substances...
 - 1.2. Half-hourly average emission limit values for the following polluting substances...
 - 1.3. Average emission limit values (mg/Nm³) for the following heavy metals...
 - 1.4. Average emission limit value (ng/Nm³) for dioxins and furans over...
 - 1.5. Emission limit values (mg/Nm³) for carbon monoxide (CO) in the...
2. Emission limit values applicable in the circumstances described in Article 46(6)...
3. Member States may lay down rules governing the exemptions provided...

PART 4

Determination of air emission limit values for the co-incineration of waste

1. The following formula (mixing rule) shall be applied whenever a...
2. Special provisions for cement kilns co-incinerating waste
 - 2.1. The emission limit values set out in points 2.2 and 2.3 apply...
 - 2.2. C – total emission limit values (mg/Nm³ except for dioxins...
 - 2.3. C – total emission limit values (mg/Nm³) for SO₂ and...
 - 2.4. C- total emission limit values for CO
3. Special provisions for combustion plants co-incinerating waste
 - 3.1. C_{proc} expressed as daily average values (mg/Nm³) valid until the...
 - 3.2. C_{proc} expressed as daily average values (mg/Nm³) valid from the...
 - 3.2.1. C_{proc} for combustion plants referred to in Article 30(2), with the...
 - 3.2.2. C_{proc} for combustion plants referred to in Article 30(3), with the...
 - 3.3. C — total emission limit values for heavy metals (mg/Nm³)...
 - 3.4. C — total emission limit value (ng/Nm³) for dioxins and...
4. Special provisions for waste co-incineration plants in industrial sectors not...
 - 4.1. C — total emission limit value (ng/Nm³) for dioxins and...
 - 4.2. C – total emission limit values (mg/Nm³) for heavy metals...

PART 5

Emission limit values for discharges of waste water from the cleaning of waste gases

PART 6

Monitoring of emissions

1. Measurement techniques
 - 1.1. Measurements for the determination of concentrations of air and water...
 - 1.2. Sampling and analysis of all polluting substances including dioxins and...
 - 1.3. At the daily emission limit value level, the values of...
2. Measurements relating to air polluting substances
 - 2.1. The following measurements relating to air polluting substances shall be...
 - 2.2. The residence time as well as the minimum temperature and...
 - 2.3. The continuous measurement of HF may be omitted if treatment...
 - 2.4. The continuous measurement of the water vapour content shall not...
 - 2.5. The competent authority may decide not to require continuous measurements...
 - 2.6. The competent authority may decide to require one measurement every...
 - 2.7. The results of the measurements shall be standardised using the...
3. Measurements relating to water polluting substances
 - 3.1. The following measurements shall be carried out at the point...
 - 3.2. Where the waste water from the cleaning of waste gases...

PART 7

Formula to calculate the emission concentration
at the standard percentage oxygen concentration

PART 8

Assessment of compliance with emission limit values

1. Air emission limit values
 - 1.1. The emission limit values for air shall be regarded as...
 - 1.2. The half-hourly average values and the 10-minute averages shall be...
 - 1.3. The average values over the sampling period and the average...
2. Water emission limit values

ANNEX VII

Technical provisions relating to installations and activities using organic solvents

PART 1

Activities

1. In each of the following points, the activity includes the...
2. Adhesive coating
3. Coating activity
4. Coil coating
5. Dry cleaning

6. Footwear manufacture
7. Manufacturing of coating mixtures, varnishes, inks and adhesives
8. Manufacturing of pharmaceutical products
9. Printing
10. Rubber conversion
11. Surface cleaning
12. Vegetable oil and animal fat extraction and vegetable oil refining...
13. Vehicle refinishing
14. Winding wire coating
15. Wood impregnation
16. Wood and plastic lamination

PART 2

Thresholds and emission limit values

PART 3

Emission limit values for installations of the vehicle coating industry

1. The total emission limit values are expressed in terms of...
2. The surface area of any product dealt with in the...
3. The total emission limit values in the table below refer...
4. Vehicle coating installations below the solvent consumption thresholds mentioned in...

PART 4

Emission limit values relating to volatile organic compounds with specific risk phrases

1. For emissions of the volatile organic compounds referred to in...
2. For emissions of halogenated volatile organic compounds which are assigned...

PART 5

Reduction scheme

1. The operator may use any reduction scheme, specially designed for...
2. In the case of applying coatings, varnishes, adhesives or inks,...
3. The following scheme shall operate for installations for which a...

PART 6

Emission monitoring

1. Channels to which abatement equipment is connected, and which at...
2. In the other cases, Member States shall ensure that either...
3. Measurements are not required in the case where end-of-pipe abatement...

PART 7

Solvent management plan

1. Principles
2. Definitions
3. Use of the solvent management plan for verification of compliance....

PART 8

Assessment of compliance with emission limit values in waste gases

1. In the case of continuous measurements the emission limit values...
2. In the case of periodic measurements the emission limit values...
3. Compliance with Part 4 shall be verified on the basis...
4. Gas volumes may be added to the waste gas for...

ANNEX VIII

Technical provisions relating to installations producing titanium dioxide

PART 1

Emission limit values for emissions into water

1. In case of installations using the sulphate process (as an...
2. In case of installations using the chloride process (as an...
3. For installations using the chloride process and using more than...

PART 2

Emission limit values into air

1. The emission limit values which are expressed as concentrations in...
2. For dust: 50 mg/Nm³ as an hourly average from major...
3. For gaseous sulphur dioxide and trioxide discharged from digestion and...

4. For chlorine in the case of installations using the chloride...

PART 3

Emission monitoring

ANNEX IX

PART A

PART B

ANNEX X

Correlation Table

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

- (1) [OJ C 182, 4.8.2009, p. 46.](#)
- (2) [OJ C 325, 19.12.2008, p. 60.](#)
- (3) Position of the European Parliament of 10 March 2009 ([OJ C 87 E, 1.4.2010, p. 191](#)) and position of the Council at first reading of 15 February 2010 ([OJ C 107 E, 27.4.2010, p. 1](#)). Position of the European Parliament of 7 July 2010 (not yet published in the Official Journal) and decision of the Council of 8 November 2010.
- (4) [OJ L 54, 25.2.1978, p. 19.](#)
- (5) [OJ L 378, 31.12.1982, p. 1.](#)
- (6) [OJ L 409, 31.12.1992, p. 11.](#)
- (7) [OJ L 85, 29.3.1999, p. 1.](#)
- (8) [OJ L 332, 28.12.2000, p. 91.](#)
- (9) [OJ L 309, 27.11.2001, p. 1.](#)
- (10) [OJ L 24, 29.1.2008, p. 8.](#)
- (11) [OJ L 242, 10.9.2002, p. 1.](#)
- (12) [OJ L 275, 25.10.2003, p. 32.](#)
- (13) [OJ L 175, 5.7.1985, p. 40.](#)
- (14) [OJ L 10, 14.1.1997, p. 13.](#)
- (15) [OJ L 124, 17.5.2005, p. 4.](#)
- (16) [OJ L 309, 27.11.2001, p. 22.](#)
- (17) [OJ L 33, 4.2.2006, p. 1.](#)
- (18) [OJ L 184, 17.7.1999, p. 23.](#)
- (19) [OJ C 321, 31.12.2003, p. 1.](#)