



78th CIMAC WG 5 - Reports on Regularly Developments – Stationary Power Plants

Vaasa/Finland





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1. Abbreviations

BAT-AEL	Best Available Technique – Associated Emission Level
EMS	Environmental Management System
EU	European Union
IED	(EU) Industrial Emissions Directive
INCITE	Innovation Centre for Industrial Transformation and Emissions
MS	Member State
MWth	MW (fuel) thermal energy
OJ	EU Official Journal



2. EU IED (Industrial Emissions Directive) Revision (\geq 50 MWth Combustion Plant)



2.1. IED Currently Regulates /1/

Sectors:



Intensive rearing of poultry or pigs



30 000

large industrial plants



20 000

intensive livestock farms

39%



Waste industries

20%



Metals production and processing

10%



Chemicals industries

9%



Slaughterhouses, food products and milk

7%



Energy industries

5%



Mineral industries

4%



Surface treatment

2%



Pulp, paper or wood-based products

2%



Other activities

2%

2. The installations and farms covered by the EU rules account for:



20%

of total emissions into the water and air in the EU



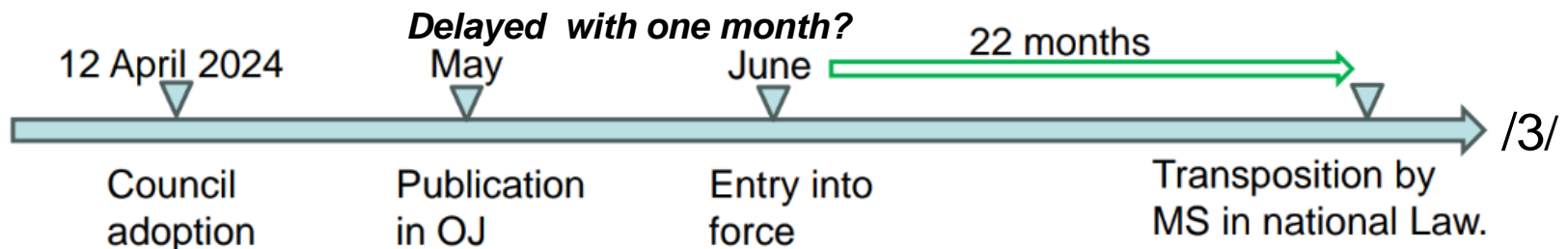
40%

of all EU greenhouse gas emissions



2.2. IED 2010/75 Revision Main Proceedings

- Commission Revision Proposal published 05.04 -22
- Council reached its´ Position 16.03 -23
- EU Parliament adopted its´ Position 11.07 -23
- Council and EU Parliament reached a Provisional Agreement on 28.11 -23
- Provisional Agreement adopted by the EU Parliament 12.03 -24 /2/



By 30 June 2028 and every 5 years thereafter, the Commission shall submit to European Parliament&Council a report reviewing Directive implementation /4/



2.3. Provisional Agreement - some main topics I

As amended, the directive would strive to promote **energy efficiency**, a **circular economy**, and **decarbonisation**.

- Article 15(3) /4/: *"The competent authority **shall set the strictest achievable emission limit values** by applying BAT in the installation, **considering the entire range of the emission levels associated with the best available techniques ('BAT-AELs')** to ensure that, under normal operating conditions, emissions do not exceed the BAT-AELs as laid down in the decisions on BAT conclusions referred to in Article 13(5). The emission limit values shall be **based on an assessment** by the operator **of the entire BAT-AEL range, analysing the feasibility of meeting the strictest end of the BAT-AEL range** and demonstrating the best overall performance that the installation can achieve by applying BAT as described in BAT conclusions, **having regard to possible cross-media effects ...**"*



2.3. Commission Proposal anno 2022

Article 15(3) /5/:

*“The competent authority shall set **the strictest possible** emission limit values that are consistent with the lowest emissions achievable by applying BAT in the installation, and that ensure that, under normal operating conditions, emissions do not exceed the emission levels associated with the best available techniques (BAT-AELs) as laid down in **the** decisions on BAT conclusions referred to in Article 13(5). The emission limit values shall be based on an assessment by the operator analysing the feasibility of meeting the **strictest end of the** BAT-AEL range and demonstrating the **best performance** the installation can achieve by applying BAT as described in BAT conclusions. ..*



2.3. Provisional Agreement - some main topics II

Article 15(4) /4/: ” .. *the competent authority shall set, for normal operating conditions, binding ranges for environmental performance that are not to be exceeded during one or more periods, as laid down in the decisions on BAT conclusions ...*”

- (A) “set, for normal operating conditions, **environmental performance limit values concerning water**, having regard to possible cross-media effects, that are not to be exceeded during one or more periods, ...”
- (B) “set, for normal operating conditions, **indicative environmental performance levels concerning waste and resources other than water** .. “

Article 3 (13aa): “*‘environmental performance’ means the performance with regard to consumption levels, resource efficiency concerning materials, water and energy resources, the reuse of materials and water, and to waste generation;*”



2.3. Provisional Agreement - some main topics III

- Article 14(a):” *Member States shall require the operator to prepare and implement, for each installation falling within the scope of this Chapter, an **environmental management system (‘EMS’)** ..“*
- Article 27 d); ” .. *by 30 June 2030 include in their EMS an **indicative transformation plan** ..The transformation plan shall contain information on how the operator will transform the installation **during the 2030-2050** period to contribute to the emergence of a **sustainable, clean, circular, resource-efficient and climate-neutral economy by 2050**, including where relevant deep industrial transformation ”*



2.3. Provisional Agreement - some main topics IV

Innovation Centre for Industrial Transformation and Emissions (INCITE)

Article 27a)(2):

*“.. centre shall collect and analyse **information on innovative techniques**, including **emerging and transformative techniques**, which contribute inter alia to minimisation of pollution, decarbonisation, resource efficiency, a circular economy using fewer or safer chemicals .. The Commission shall take into account the findings of the centre .. **when drawing up, reviewing and updating the BAT reference documents** ..”*



2.4. INCITE I /6/

Take part in the launch of INCITE

The **European Innovation Centre for Industrial Transformation and Emissions (INCITE)** is a one-of-a-kind initiative that will accelerate the implementation of clean industrial technologies, while contributing to a circular and more competitive industry in Europe.

The innovation centre is a key element of the new [Industrial Emissions Directive](#), and adds a forward-looking mechanism to the [Sevilla process](#). It will be set up in Seville (Spain), and launched in an interactive event **next 21 June** together with industry, innovators, financiers, environmental NGOs, think-tanks, Member States and EU officials.

Check out our programme below and register to join us in Seville or remotely (web-streaming) for the launch.

2.4. INCITE II

INCITE is created to systematically scan the horizon, gathering worldwide information on innovative industrial environmental techniques which, if they are deemed ready for use at an industrial scale, provide significant environmental benefits and are cost-effective, could be incorporated in the Sevilla Process for the development of environmental norms.

It will become a collaborative platform, bringing together industry, technology providers, Member States, financial institutions, private investors, the general public, academia as well as the European Commission, creating unique benefits and opportunities while promoting the uptake of innovative technologies to accelerate energy efficiency, circular economy, depollution and decarbonisation in industry.

2.4. INCITE III

INCITE aims to become the EU's central point of reference for identifying and evaluating the environmental performance of cutting-edge industrial technologies in Europe and beyond, and for informing on related policy development and investments. For more information please contact us at JRC-INCITE@ec.europa.eu.



3. Sources I

/1/ Industrial emissions directive: key figures, link:

<https://www.consilium.europa.eu/en/infographics/industrial-emissions-directive-key-figures/>

/2/ IED Legislative Train Schedule, link: [https://www.europarl.europa.eu/legislative-train/theme-a-european-green-deal/file-revision-of-the-industrial-emissions-directive-\(refit\)](https://www.europarl.europa.eu/legislative-train/theme-a-european-green-deal/file-revision-of-the-industrial-emissions-directive-(refit))

/3/ Information obtained in the discussions of the "Sevilla process methodology meeting – Workshop on the evolution of the Sevilla process in light of the revised – IED", 14-15 March 2024, Dessau-Roßlau, Germany

/4/ 7533/24 EU, 14.03-24 at link https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CONSIL:ST_7533_2024_INIT



3. Sources II

/5/ Revision proposal of IED 2020/75/EU, 5th April 2022, at web:

https://environment.ec.europa.eu/publications/proposal-revision-industrial-emissions-directive_en

/6/ <https://eippcb.jrc.ec.europa.eu/innovation-centre-for-industrial-transformation>

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