Aggregation Rules for combustion under the IED (Chapter III and Annex I)

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  - in particular in relation to activity 1.1
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Annex I - Aggregation rules (1)

- *Definition of "installation" (art. 3(3))*
  - **(…) stationary technical unit within which one or more activities listed in Annex I** or in Part 1 of Annex VII **are carried out** (…)

- *Introductory paragraph to Annex I*
  - **(…) Where several activities falling under the same activity description containing a threshold are operated in the same installation, the capacities of such activities are added together (…).**

Annex I - Aggregation rules (2)

- *List of activities in Annex I defines **scope of Chapter II** and serves to distinguish activities and installations which are **covered/not covered** by that Chapter*
- ***General aggregation rule for all activities***
  - equal treatment of comparable installations
  - prevents artificial "splitting" of installations
- ***Activity 1.1***
  - combustion of fuels in installations with a total rated thermal input of 50 MW or more
  - broader than "combustion plants" under Chapter III
    - covers types of combustion plants which are exempted from the scope of Chapter III through article 28 (e.g. cowpers, coke batteries, …)
    - "fuel" definition also covers waste fuels

Annex I - Aggregation rules (3)

*If the total rated thermal input of **all combustion activities** within the installation is **50 MW or more**, then the **whole installation** falls under the scope of Chapter II.*

- If this total is less than 50 MW, then the combustion of fuels is not an activity covered by Annex I.
- However, this does not automatically exclude the combustion units from being covered by Chapter II, e.g. in case they are directly associated to another activity listed in Annex I, e.g. a food processing plant, textile plant, …

Ch. III - Aggregation rules (Art.29)

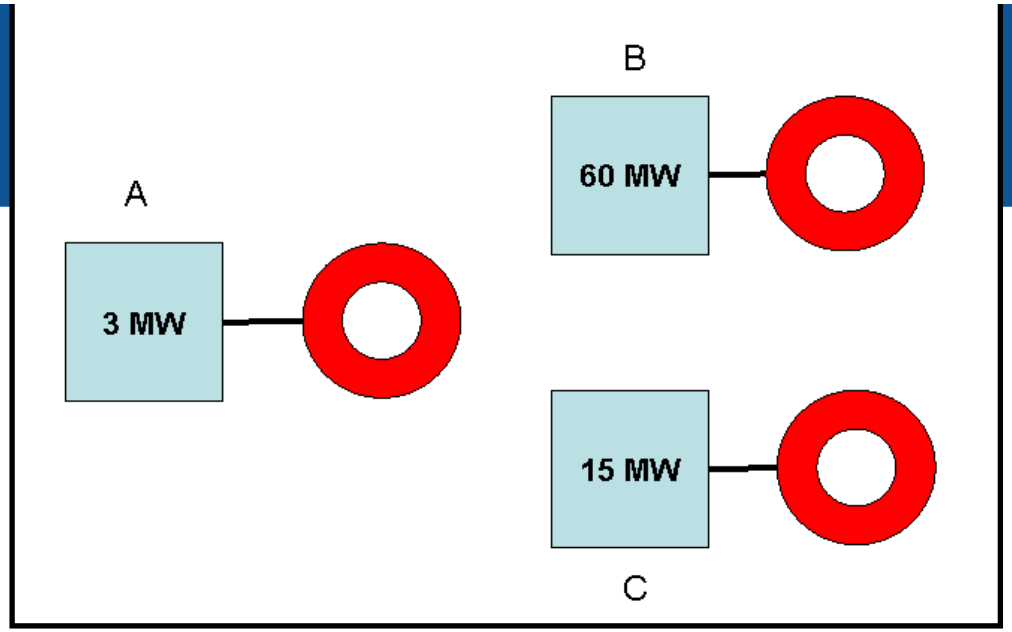
- The following combinations formed by two or more separate combustion plants shall be considered as a **single combustion plant** and their **capacities added for the purpose of calculating the total rated thermal input**:
  1. Where their waste gases **are** discharged through a common stack
  2. Where they have been granted a permit for the first time on or after 1 July 1987, or the operators have submitted a complete permit application on or after that date, and they are installed in such a way that, taking technical and economic factors into account, their waste gases **could** in the judgement of the competent authority, be discharged through a common stack
- For the purpose of calculating the total rated thermal input (…) **individual combustion plants with a rated thermal input below 15 MW shall not be considered**.

Ch. III – Setting ELVs (Art.30)

- *Article 30(4)*
  - ELVs and desulphurisation rate shall apply to the emissions of each **common stack** in relation to the **total rated thermal input of the entire combustion plant**.
  - Where Annex V provides that ELVs may be applied for a **part of a combustion plant** (limited number of operating hours), those ELVs shall still be set in relation to the **total rated thermal input of the entire combustion plant**.

- *Article 30(7)*
  - In case of an **extension**, the ELVs set out in **Part 2 of Annex V** shall apply to the **extended part** of the plant and shall be set in relation to the **total rated thermal input of the entire combustion plant**.
  - In the case of a **change** to a combustion plant, which may have consequences for the environment and which affects a part of the plant with a rated thermal input of **50 MW or more**, the ELVs set out in **Part 2 of Annex V** shall apply to the part of the plant which has **changed** in relation to the **total rated thermal input of the entire combustion plant.**

Examples

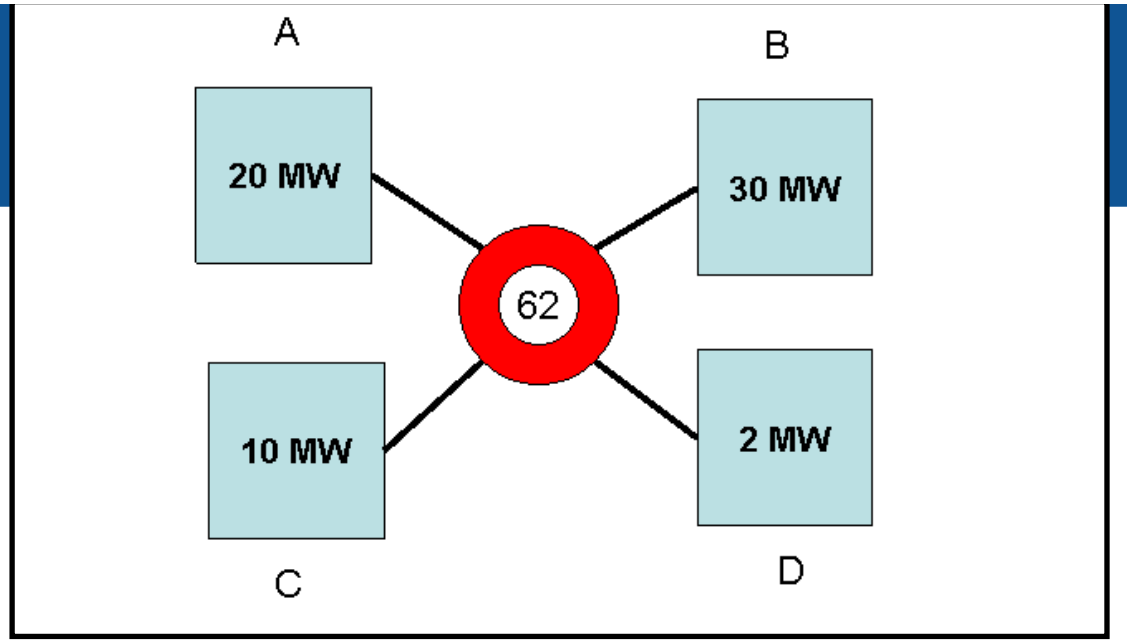


- *Annex I (Ch. II)*
  - **Total rated thermal input installation =** 78 MW

  ➔ Whole installation (= 3 units) is within scope of Ch. II

- *Chapter III (art. 29)*
  - **Plant A is < 50 MW, so not covered by Ch. III**
  - **Plant C is < 50 MW, so not covered by Ch. III**
  - **Plant B =** 60 MW combustion plant, **covered by Ch. III**

Examples



- *Annex I (Ch. II)*
  - **Total rated thermal input installation =** 62 MW

  ➔ Whole installation (= 4 units) is within scope of Ch. II

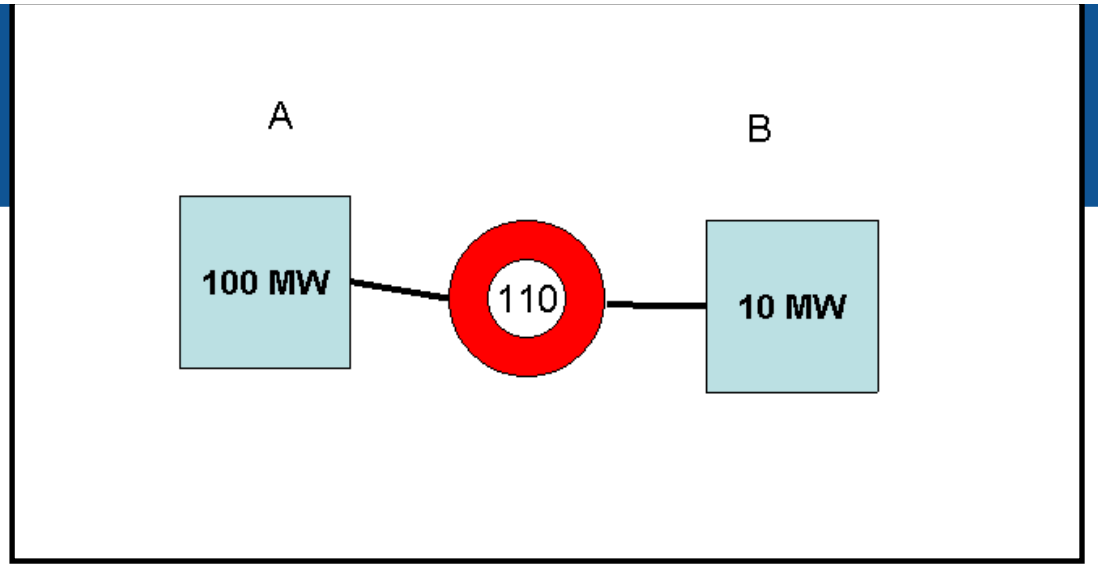
- *Chapter III (art. 29)*

  ➔C and D are < 15 MW ➔ thermal input not counted

  ➔This leaves A+B = 50 MW, so plant covered by Ch. III

  ➔Combination A+B+C+D = one single combustion plant of 50 MW, covered by Ch. III

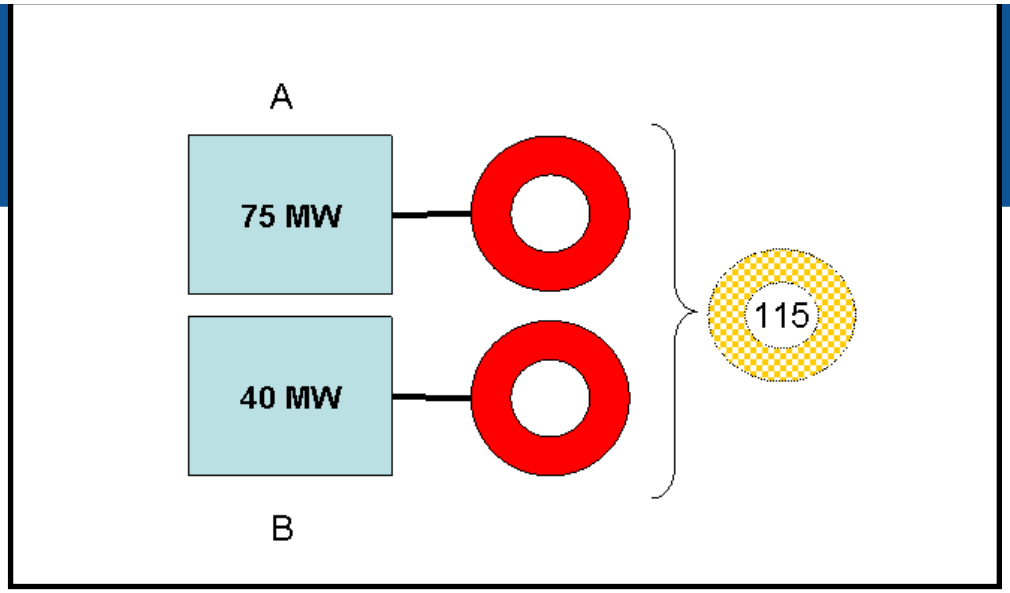
Examples



- *Annex I (Ch. II)*
  - **Total rated thermal input installation = 110 MW**
  - ➔ Whole installation (= 2 units) is within scope of Ch. II

- *Chapter III (art. 29)*
  - **➔B < 15 MW ➔ thermal input not counted**
  - **➔This leaves A = 100 MW, so plant covered by Ch. III**
  - **➔Combination A+B = one single combustion plant of 100 MW, covered by Ch. III**

Examples



- *Annex I (Ch. II)*
  - **Total rated thermal input installation =** 115 MW

  ➔ Whole installation (= 2 units) is within scope of Ch. II

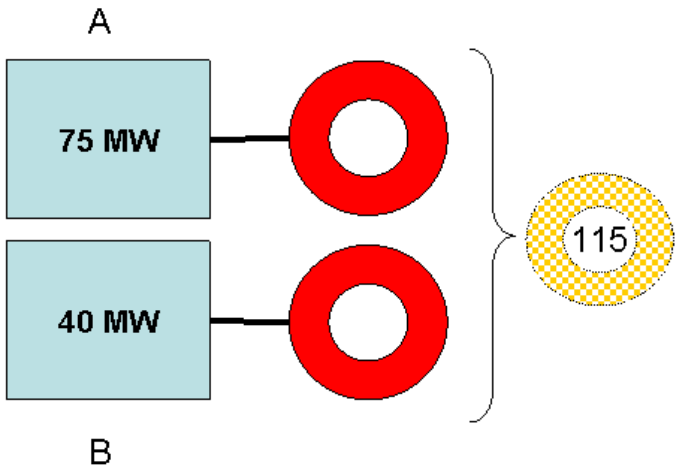
- *Chapter III (art. 29)*

  1. If A **and** B permitted **after 1 July 1987**

     AND competent authority decides that, taking technical and economical factors into account, waste gases **could be** discharged through one common stack

  ➔**Combination A+B =** one single combustion plant of **115 MW, covered by Ch. III**

Examples



Chapter III (art. 29)

2. If A or B permitted **before** 1 July 1987

   AND/OR competent authority decides that, taking technical and economical factors into account, waste gases **could NOT** be discharged through one common stack

➔**A and B are separate combustion plants:**

➔**A (75 MW) covered by Ch. III**

➔**B (40 MW) NOT covered by Ch. III**