



# Large combustion plants

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# THE LEGISLATION

Directive 2001/80/EC recently updated  
by the Directive 2010/75/EU (IED)

The Italian legislation is composed by the  
legislative decree n. 152/2006 as  
updated by the legislative decree n.  
46/2014

# THE MAIN DISPOSITIONS

- Member States shall take the necessary measures to ensure that no combustion plant is operated without a permit.
- Are considered combustion plant that plants > 50MW (LCP)
- Specific limit values for combustion plants
- Aggregation rules
- Reporting (a specific report every three years)

# AGGREGATION RULES

The directive 2010/75 establish that:

-Where the waste gases of two or more separate combustion plants are discharged through a common stack, the combination formed by such plants shall be considered as a single combustion plant and their capacities added for the purpose of calculating the total rated thermal input.

- Where two or more separate combustion plants .... 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, the combination formed by such plants shall be considered as a single combustion plant and their capacities added for the purpose of calculating the total rated thermal input.

# ITALIAN DISPOSITIONS

The Italian legislation foresees, for some specific issues, more stringent dispositions than the directive 2010/75/EU.

In particular:

- More stringent ELV for new Plants
- Different aggregation rules for the purpose of calculating the total rated thermal input of the plants
- ELV established in heavy conditions
- ELV also for pollutant not included in the directive

# REPORTING

Member States shall establish an annual inventory of the sulphur dioxide, nitrogen oxides and dust emissions and energy input.

A summary of the inventories shall be made available to the Commission every 3 years within 12 months from the end of the three-year period considered

# REPORTING

Every year, within 31 May, operators shall communicate to ISPRA information related to each single plant. In particular:

- (a) the total rated thermal input (MW) of the combustion plant;
- (b) the type of combustion plant: boiler, gas turbine, gas engine, diesel engine, other (specifying the type);
- (c) the date of the start of operation of the combustion plant;
- (d) the total annual emissions (tonnes per year) of sulphur dioxide, nitrogen oxides and dust (as total suspended particles);
- (e) the number of operating hours of the combustion plant;
- (f) the total annual amount of energy input, related to the net calorific value (TJ per year), broken down in terms of the following categories of fuel: coal, lignite, biomass, peat, other solid fuels (specifying the type), liquid fuels, natural gas, other gases (specifying the type).
- (g) Abatement Systems

# REPORTING

ISPRA elaborate a report for the Ministry that is sent to the Commission every three years within the 31 December.

At present ISPRA hold a database with all the data on plants from 2004 to 2014.

All the information sent to ISPRA are controlled and the institute can request clarification to the operators when some data are not clear