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Implementation of the LCP Directive

Update on reporting of emissions



State of play reporting

Albania

- **No report filed by the country**
- **No user nominated in the system**
- **Please confirm no plants are operating in the country**

Bosnia and Herzegovina

- **Report filed 29 April 2020**
- **Overall correct**
- **13 plants reported, 12 active**
- **Lignite, coal and liquid fuels are predominant**
- **215 kt SO₂, 19 kt NO_x, 3 kt dust**
- **Year on year variation**
 - **11 plants reported active in 2018 (increase in 2019, 2)**
 - **219 kt SO₂, 2018 - stable**
 - **21 kt Nox, 2018 - stable**

Georgia

- **Report filed 29 March 2020**
- **Overall correct**
- **4 plants reported, all active**
- **All gas-fired plants**
- **Only NOx reported in 2019, 1 kt, 14874 hours**
- **Year on year variation**
 - **11 plants reported active in 2018**
 - **10926 hours of total operation in 2018, increase in 2019**
 - **0.3 kt Nox, 2018 - important increase in 2019**

Moldova

- **No report filed**
- **EEA ready to provide assistance**
- **Any actions from Treaty's Secretariat?**

Montenegro

- **Report filed via email**
 - Please file it in the tool for transparency reasons
- **Overall correct**
- **1 plant reported, 1 active**
- **Lignite predominant**
- **47 kt SO₂, 4 kt NO_x, 3 kt dust**
- **Year on year variation**
 - 1 plant reported active in 2018
 - 64 kt SO₂, 2018 - important increase
 - 8 kt NO_x, 2019 - double

North Macedonia

- **Report filed 16 March 2020**
- **Overall correct**
- **8 plants reported, 5 active**
- **Lignite, liquid and gas fired**
- **Emission overview 2019**
 - **SO₂: 108 kt, NO_x: 5.6 kt, dust: 3.8 kt, 20807 hours**
- **Year on year variation**
 - **8 plants reported active in 2018 (identical)**
 - **18690 hours of total operation in 2018, increase in 2019**
 - **2018 - SO₂: 54 kt, NO_x: 5 kt, dust: 3.6 kt**

Serbia

- **Report filed 31 March**
- **Overall correct**
- **16 plants reported, all active**
- **Lignite, liquid, coal, predominant + some gas**
- **329 kt SO₂, 37 kt NO_x, 9 kt dust**
- **Year on year variation**
 - **12 plants reported active in 2018 (2019, increase by 4)**
 - **339 kt SO₂, 2018 – slight decrease**
 - **38 kt NO_x, 2019 – slight decrease**

Ukraine

- Report filed 17 April
- Using old template, important gaps and missing information
- 223 plants reported, status not reported
- Coal and gas predominant
- Emission overview and year on year variation
 - Not possible due to gaps in data
- **Please resubmit using right template with no modifications and providing all data**

Kosovo

- **Report filed 9 March**
- **Overall correct**
- **5 plants reported, all active**
- **Lignite based**
- **13 Mt SO₂, 20 Mt NO_x, 5 Mt dust**
- **Year on year variation**
 - 5 plants reported active in 2018 (2019, identical)
 - 28 Mt SO₂, 2018 – emissions halved
 - 38 Mt NO_x, 2019 – emissions nearly halved

Resources for reporting

When reporting

- Please visit our help page
https://cdr.eionet.europa.eu/help/lcp_ener
- Write to Industrial emission reporting at
industry.helpdesk@eea.europa.eu

How to obtain credentials

- Official request from the country nominating reporter (email)
- Eionet account and appropriate permissions for the relevant data flow
- All correspondence automatically directed to nominated experts

Reminder: reporting LCP Directive data under the Energy Community Treaty

What are combustion plants?



- LCPs are combustion plants at big scale, firing fuels with capacities greater than 50 MWh
- **Coals, gas, liquid fuels, biomass**



What are NOT combustion plants?

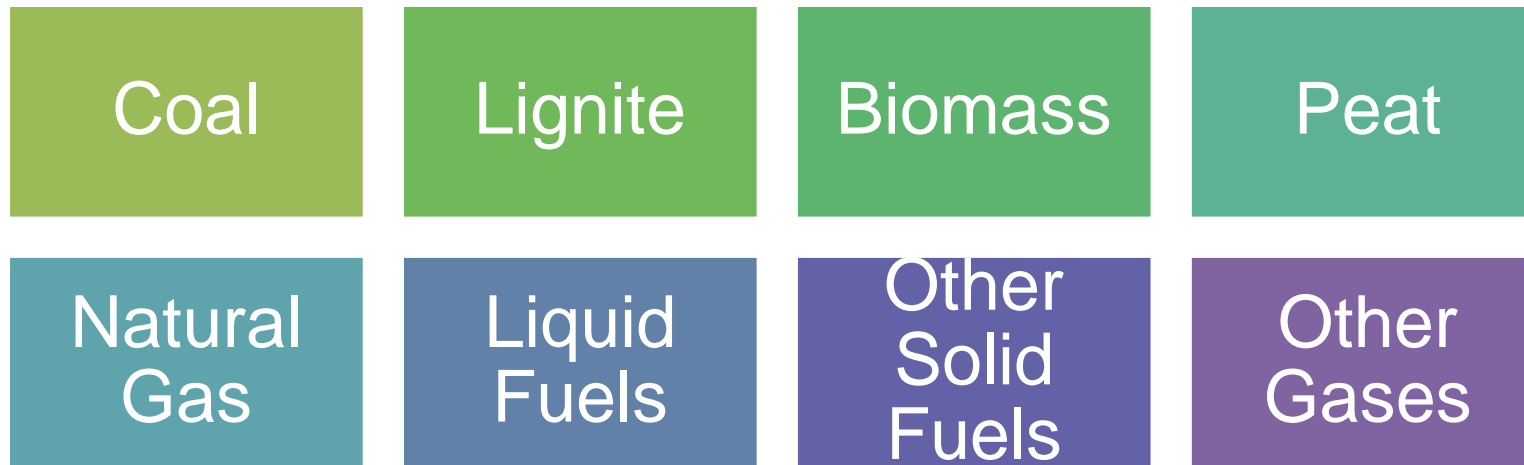
- When using waste partially or totally as an energy input



(Creative Commons) Guillaume Baviere

Reporting Data on Fuels (categories)

- Reporting fuel input for each plant:



- All values are net calorific value

Reporting Data on Fuels (example)

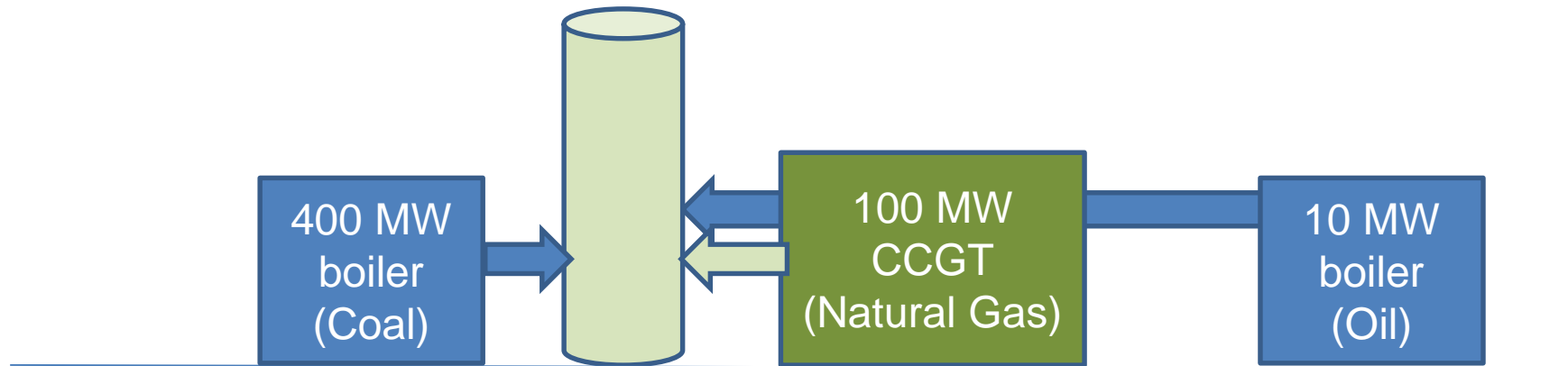
- Report fuel use for each of the 3 units which are part of a single LCP 'plant' even though oil boiler < 15 MW.

Annual Fuel
Inputs by Fuel
Type

Coal: 12,500 TJ

Natural Gas: 2,500 TJ

Oil: 150 TJ



Reporting Data on Operating Hours

- Total operational hours of the plant over a year when any emissions are being generated
- Maximum possible operational hours = 8,760 hours (365 days)
- Generally exclude periods of start-up and shut-down, but must normally have clear definition of start-up and shut-down

Reporting data on pollutant emissions

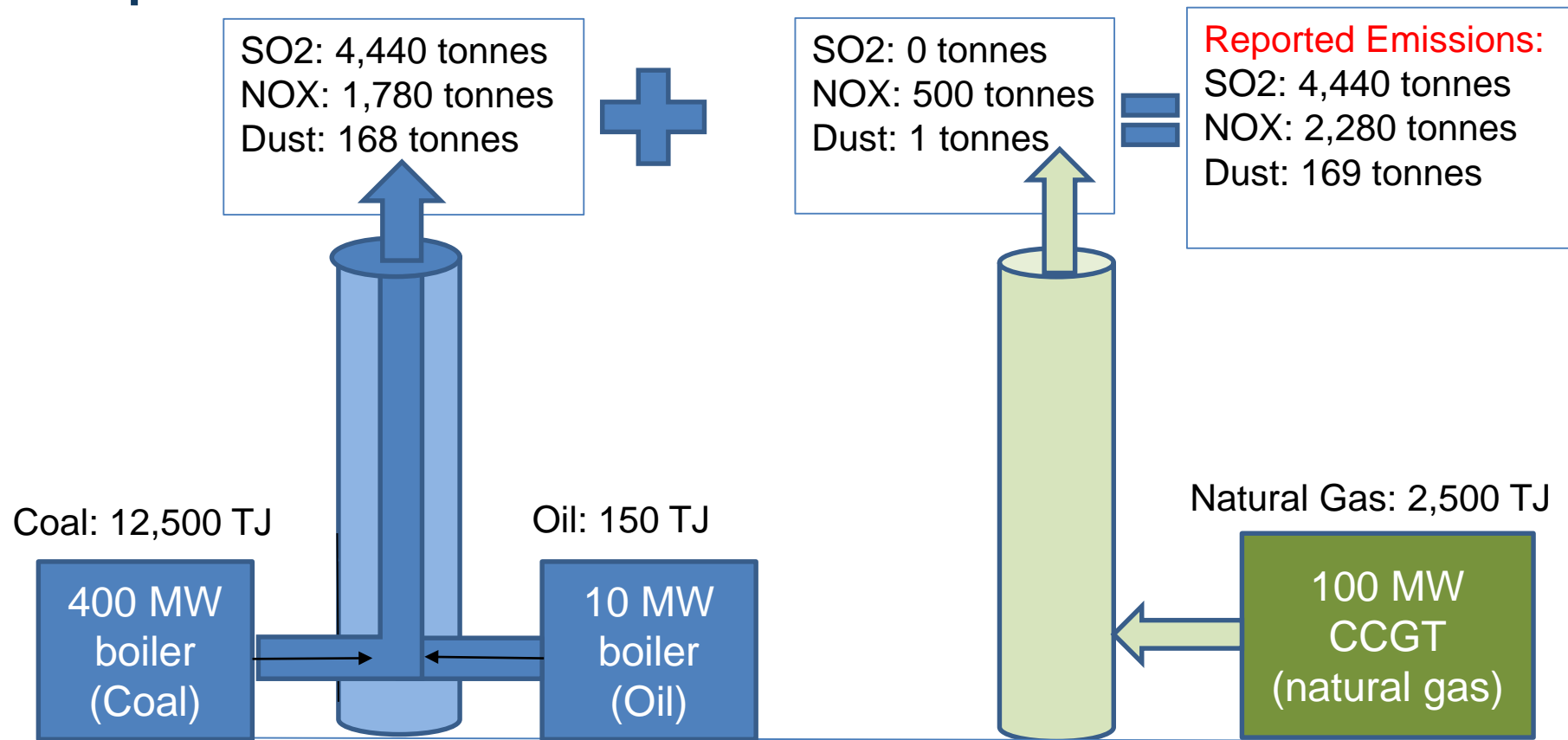
- Sulphur dioxide (Tonnes)
- Oxides of nitrogen (Tonnes)
- Dust (Tonnes)

Reporting Data on Pollutant Emissions

- Reported data typically based on measured emissions data from Automated Measurement Systems (AMS)
- N.B. Must not subtract measurement uncertainty from reported emissions
- LCP Directive requires that CEN standards are applied to measurements, including methods for calibration of AMS

Reporting Data on Emissions

Example: Total Plant Emissions



Other Information to be collected

- Location – Latitude and Longitude
- Reporting country and year
- Is the LCP part of a refinery?
- Details of competent authority
- Total number of reported plants
- Plant Name and address
- Unique plant identification code
- Derogations?

Thank you !
Q&A

