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 NOx, 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 NOx, 3 kt dust
- Year on year variation
  - 1 plant reported active in 2018
  - 64 kt SO2, 2018 - important increase
  - 8 kt NOx, 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, NOx: 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, NOx: 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 NOx, 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 NOx, 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 NOx, 5 Mt dust
- Year on year variation
  - 5 plants reported active in 2018 (2019, identical)
  - 28 Mt SO2, 2018 – emissions halved
  - 38 Mt NOx, 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
### Reporting Data on Fuels (categories)

- Reporting fuel input for each plant:
  - Coal
  - Lignite
  - Biomass
  - Peat
  - Natural Gas
  - Liquid Fuels
  - Other Solid Fuels
  - Other Gases

- 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

SO2: 4,440 tonnes
NOX: 1,780 tonnes
Dust: 168 tonnes

Coal: 12,500 TJ

SO2: 0 tonnes
NOX: 500 tonnes
Dust: 1 tonnes

Oil: 150 TJ

Reported Emissions:
SO2: 4,440 tonnes
NOX: 2,280 tonnes
Dust: 169 tonnes

Natural Gas: 2,500 TJ

100 MW CCGT (natural gas)
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