



Monthly oil questionnaires and Emergency stocks reporting

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OVERVIEW

- The MOS-Oil questionnaire
 - Legal bases
 - Overview of the MOS-Oil questionnaire changes
 - Changes, including in the emergency stocks reporting
- COIR
 - Legal bases
 - COIR reporting

The MOS-Oil questionnaire

- Legal bases
- Overview of the MOS-Oil questionnaire changes
- Changes, including in the emergency stocks reporting

LEGAL BASIS - MOS OIL

Energy Statistics Regulation

Regulation (EC) No 1099/2008 of the European Parliament and of the Council of 22 October 2008 on energy statistics (Text with EEA relevance)

+ amendments in 2010, 2013, 2014, 2017 and **2019 (Commission Regulation (EU) 2019/2146**

ANNEX A: DEFINITION OF OIL. Chapter 3 "PRODUCTS" Sub-Chapter 3.4 "OIL (Crude oil and petroleum products)"

ANNEX C: MONTHLY ENERGY STATISTICS Chapter 3 "OIL AND PETROLEUM PRODUCTS" listing: Applicable energy products, list of aggregates, stock levels, units of measurement and deadline for transmission of data

Latest consolidated version:

<https://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:02008R1099-20200105&from=EN>

LEGAL BASIS - MOS OIL

Oil Stocks Directive

Council Directive 2009/119/EC of 14 September 2009, imposing an obligation on Member States to maintain minimum stocks of crude oil and/or petroleum products

+ amendment in 2018: **Commission Implementing Directive (EU) 2018/1581** which modifies [Article 3: Emergency stocks — Calculating stockholding obligations](#)

MOS reporting countries: EU Member States, European Economic Area (EEA) countries, EU candidate and potential candidate countries, Energy Community contracting parties (EC CPs).

Latest consolidated version:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02009L0119-20200101>

LEGAL BASIS – MOS OIL

MOS Oil data is used for **compliance monitoring** by the European Commission:

- DG ESTAT: compliance with the Energy Statistics Regulation as regards **monthly oil statistics**
 - Compliance monitoring issues presented and discussed in the ENERGY STATISTICS WORKING GROUP
- DG Energy: compliance with the Oil Stocks Directive as regards the **emergency oil stockholding obligations**
 - Compliance monitoring issues presented and discussed in the OIL COORDINATION GROUP

IMPORTANT: MOS oil data collection is fundamental for meeting the reporting obligations described in both the Regulation and the Directive.

| MONTHLY OIL QUESTIONNAIRE | | (select country) | | | |
|------------------------------------|--|--------------------|--|--|--|
| Country | | August 2020 | | | |
| Month of data | | Final | | | |
| Status of data (final/provisional) | | | | | |
| Prepared by | | | | | |
| Date of transmission | | | | | |

| | Crude oil | Natural gas liquids | Refinery feedstocks | Additives / oxygenates |
|-------------------------------------|-----------|---------------------|---------------------|------------------------|
| | A | B | C | D |
| + Indigenous production | 1 | | | |
| + Receipts from other sources | 2 | | | |
| + Backflows ¹ | 3 | | | |
| + Products transferred ² | 4 | | | |
| + Imports (Balance) ³ | 5 | | | |
| - Exports (Balance) ⁴ | 6 | | | |
| - Direct use ⁵ | 7 | | | |
| - Stock changes ⁶ | 8 | | | |
| = Refinery intake (Calculated) | 9 | 0.000 | 0.000 | 0.000 |
| - Statistical difference | 10 | 0.000 | 0.000 | 0.000 |
| = Refinery intake (Observed) | 11 | | | |
| Memo Item: Refinery losses | 12 | | | |

| TABLE 5b AND TABLE 5c ARE TO BE COMPLETED ONLY BY THE EUROPEAN UNION MEMBER STATES AND ENERGY COMMUNITIES | | All opening stock levels should be equal to closing stock levels of the previous month | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|--|------------------------------------|--------------------|--|--------------------|-------------------------|---------|-------|---------|----------------------|-------------|-----------------|-------------------|------------------------|------------------------------|------------------|----------------------|----------------|--------------|---------------------------|----------------------|-----------|------------------------|-------|-------|
| TABLE 5b: EUROPEAN UNION EMERGENCY STOCK LEVELS under Directive 2009/119/EC | | Crude oil | Natural gas liquids | Refinery feedstock | Additives / oxygenate | Other hydrocarbons | Total (A to F, excl. E) | Enthalp | LPG | Naphtha | Total motor gasoline | Biogasoline | Non-biogasoline | Aviation gasoline | Gasoline type jet fuel | Total kerosene type jet fuel | Bio jet kerosene | Non-bio jet kerosene | Other kerosene | Flood diesel | Heating and other gas oil | Total gas/diesel oil | Biodiesel | Non-bio gas/diesel oil | | |
| | | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | |
| (EU-28) Emergency stocks (Total) on national territory | Opening | 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (EU-28) Stocks held for other EU Member States under official agreement | Closing | 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| (EU-28) Stocks with known foreign EU destination | Opening | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| (EU-28) Stocks held by government on national territory | Closing | 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| (EU-28) Stocks held by the Central Stockholding Entity (CSE) on national territory | Opening | 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| (EU-28) Stocks held by Economic Operators on national territory | Closing | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| (EU-28) Stocks held abroad in other EU Member States under official agreement | Opening | 7 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| (EU-28) Stocks held abroad in EU, designated temporarily for import into your country | Closing | 8 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| (EU-28) Total Emergency stocks held by the MS in accordance with the EU Directive 2009/119/EC | Opening | 9 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| (EU-28) Total Emergency stocks held by the MS in accordance with the EU Directive 2009/119/EC | Closing | 10 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| Sum of monthly figures for 2019 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Refinery gross output | 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Refinery fuel | 12 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Imports (Balance) | 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exports (Balance) | 14 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Refinery intake (Calculated) | 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| International marine bunkers | 16 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gross inland deliveries (Observed) | 17 | | | | | | | | | | | | | | | | | | | | | | | | | |
| All stocks on national territory | Opening JAN | 18 | | | | | | | | | | | | | | | | | | | | | | | | |
| Backflows to refineries | Closing DEC | 19 | | | | | | | | | | | | | | | | | | | | | | | | |
| Method used for calculating the deduction for asphalt yield | | 20 | 4% default value for naphtha yield | | NOTE: This variable is valid from January 2020 | | | | | | | | | | | | | | | | | | | | | |
| Minimum stock level calculated based on: | 21 | Inland Consumption | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum stock level for compliance | 22 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | |
| Daily fuel imports for compliance | 23 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | |
| Daily inland Consumption for compliance | 24 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | |
| Method used for calculating the emergency stocks | 25 | Annex III (B) | | | | | | | | | | | | | | | | | | | | | | | | |
| Emergency Stocks held by the MS in accordance with the EU Directive (in Days Equivalent) | 26 | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | |

MOS oil - Current Version: 2020.1

OVERVIEW OF CHANGES IN THE MOS OIL

Update needed for various reasons:

1. Withdrawal of the UK from the EU (BREXIT)
2. Amendment to the Oil Stocks Directive
3. Legal interpretation developments (EC CPs)
4. Consistency with the annual questionnaire
5. Modifications of the validation procedures and tools (SDMX)
6. Next update: Technical upgrade

CHANGES IN THE MOS OIL



1. Withdrawal of the UK from the EU ('BREXIT'):

- Stocks held by other EU Member States in the UK are not counted towards the stockholding obligation
- Adaptation of the formula for calculating the stocks held in the other EU MS in line 62 of tables 6, 6b, 7, 8, 8b, 8c and 9 depending on the reported period (reference month) selected

CHANGES IN THE MOS OIL

2. Amendment to the Oil Stocks Directive

Commission Implementing Directive (EU) 2018/1581 of 19 October 2018 amending Council Directive 2009/119/EC as regards the methods for calculating stockholding obligations

- Changes apply starting with reference month January 2020
- The threshold of 7 % was removed and reporting countries may choose between the three following options for deducing the naphtha yield:
 - 4%
 - the average naphtha yield
 - the net actual naphtha consumption
- The starting date for calculating the yearly stockholding obligation was moved to 30th June

CHANGES IN THE MOS OIL

- Possibility to select the method for the naphtha yield, starting with reference month January 2020.
 - ✓ Conditional formula that takes into account the reported period selected (reference month)
 - ✓ Two sheets displaying the calculation of the stockholding obligation and calculation of the actual stocks counted towards this obligation:
 - Sheet 'Days Equivalent Calculation', which applies if the selected year is 2019 or before
 - Sheet 'New Days Equivalent Calculation', which applies if the selected year is 2020 or after (includes a modified table allowing to select the method to determine the naphtha yield).

CHANGES IN THE MOS OIL

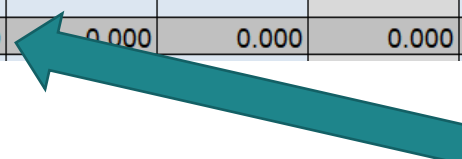
3. EC CPs are in the list of countries who's stocks held in other EC CPs and in the EU are counted toward their stock holding obligations.

| MONTHLY OIL QUESTIONNAIRE | | | | | | | | |
|---|----|-----------|---------------------|---------------------|------------------------|-------------------|--------------------|-------------------------|
| Moldova | | | | | | | | |
| June 2020 | | | | | | | | |
| Table 8: CLOSING STOCKS HELD ABROAD UNDER OFFICIAL AGREEMENT, BY LOCATION | | | | | | | | |
| | | Crude oil | Natural gas liquids | Refinery feedstocks | Additives / oxygenates | Of which Biofuels | Other hydrocarbons | Total (A to F, excl. E) |
| | | A | B | C | D | E | F | G |
| Croatia | 13 | | | | | | | 0.000 |
| Cyprus | 14 | | | | | | | 0.000 |
| Czech Republic | 15 | | | | | | | 0.000 |
| Denmark | 16 | | | | | | | 0.000 |
| Estonia | 17 | | | | | | | 0.000 |
| Finland | 18 | | | | | | | 0.000 |
| France | 19 | | | | | | | 0.000 |
| Georgia | 20 | 100.000 | | | | | | 100.000 |
| Germany | 21 | | | | | | | 0.000 |
| Greece | 22 | | | | | | | 0.000 |
| Hungary | 23 | | | | | | | 0.000 |
| Iceland | 24 | | | | | | | 0.000 |
| Ireland | 25 | | | | | | | 0.000 |
| Israel | 26 | | | | | | | 0.000 |
| Italy | 27 | 100.000 | | | | | | 100.000 |
| Japan | 28 | | | | | | | 0.000 |

Fictitious data used as example!

CHANGES IN THE MOS OIL

| MONTHLY OIL QUESTIONNAIRE | | | TABLE 5b AND TABLE 5c AR | | | | | | |
|---|---------|----|--------------------------|---------------------|---------------------|------------------------|-------------------|---------------------|-------------------------|
| Moldova | | | | | | | | | |
| June 2020 | | | | | | | | | |
| Table 5b: EUROPEAN UNION EMERGENCY STOCK LEVELS under Directive 2009/119/EC | | | All opening st | | | | | | |
| | | | Crude oil | Natural gas liquids | Refinery feedstocks | Additives / oxygenates | Of which Biofuels | Other hydro-carbons | Total (A to F, excl. E) |
| | | | A | B | C | D | E | F | G |
| (EU-a) Emergency stocks (Total) | Opening | 1 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| on national territory | Closing | 2 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (EU-b) Stocks held for other EU | Opening | 3 | | | | | | | 0.000 |
| Member States under official agreement | Closing | 4 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (EU-c) Stocks with known | Opening | 5 | | | | | | | 0.000 |
| foreign EU destination | Closing | 6 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| (EU-g) Stocks held by government | Opening | 7 | | | | | | | 0.000 |
| on national territory | Closing | 8 | | | | | | | 0.000 |
| (EU-h) Stocks held by the Central Stockholding | Opening | 9 | | | | | | | 0.000 |
| Entity (CSE) on national territory | Closing | 10 | | | | | | | 0.000 |
| (EU-ie) Stocks held by Economic Operators | Opening | 11 | | | | | | | 0.000 |
| on national territory | Closing | 12 | | | | | | | 0.000 |
| (EU-j) Stocks held abroad in other EU | Opening | 13 | | | | | | | 0.000 |
| Member States under official agreement | Closing | 14 | 200.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 200.000 |



CHANGES IN THE MOS OIL

4. Imports and Exports countries' lists as in the AOQ

- In both 'Imports by origin' and 'Exports by destination' tables

5. SDMX compatible format and related features

- Integrate MOS Oil into the ESS Shared validation tools
 - ✓ Requires all countries to use the updated questionnaire
 - The new questionnaire have been used since March 2020; the old is not longer accepted!
 - ✓ The new IT system implemented by Eurostat (MDT) will not make any difference between the 'provisional' and 'final' status of data

CHANGES IN THE MOS OIL

6. NEXT UPDATE: Small technical improvements

IMPLEMENTATION:

- Eurostat and the IEA are working together to finalize the new questionnaire.
- Eurostat will communicate the actual date of release.
- After it is released, all reporting countries will have to use exclusively the updated version.

Database: <http://ec.europa.eu/eurostat/data/database>

The COIR Questionnaire

- Legal bases
- Crude Oil Import Register (COIR)

LEGAL BASIS - COIR

Energy Statistics Regulation

Regulation (EC) No 1099/2008 of the European Parliament and of the Council of 22 October 2008 on energy statistics (Text with EEA relevance)

+ amendments (Last amendment 2019, came into force on 1/1/2020)

ANNEX D: SHORT TERM MONTHLY STATISTICS

PARAGRAPH 2: CRUDE OIL IMPORTS AND SUPPLY

- The data transmission deadline: one calendar month following the reported month. (The deadline for transmission of August 2020 data is the end of September 2020)
- Reporting and to be reporting: EU Member States, European Economic Area (EEA) countries, EU candidate and potential candidate countries, and Energy Community contracting parties (EC CPs).

Crude Oil Import Register (COIR)

- The COIR questionnaire - to report on a monthly basis:
 - For each crude oil type they import:
 - ✓ its API gravity (average)
 - ✓ its sulphur content (average)
 - ✓ its quantity in barrels
 - ✓ its total price in USD per barrel
 - ✓ the number of companies reporting imports of this particular type
 - The total number of companies reporting imports of crude oil
 - The total imports
 - Total production volume and weight
 - The corresponding average prices

COIR (Crude Oil Import Register)

Next steps:

- November 2020: Decision on confidentiality rules for presenting various aggregates.
- 1st quarter 2021: Annual aggregates for year 2020 will be computed and disseminated.

Instructions can be found here:

- https://ec.europa.eu/eurostat/documents/38154/42198/reporting_instructions_crude_oil.pdf/4463ea3c-4466-1f3e-66d4-0a35635b7644

Data can be seen and downloaded:

- https://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=nrg_ti_coifpm&lang=en
- https://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=nrg_cb_cosm&lang=en

Thank you

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