



Monthly oil data

MOS OIL and COIR

Cristina Martello

E.5 (Energy)

EUROSTAT

14th Oil Forum – 27 & 28 September 2022

Overview

- MOS OIL
 - Legal basis
 - Products and flows
 - Data submission and monitoring
- COIR
 - Legal basis
 - Data submission and data points
- Data use

The MOS OIL questionnaire

MOS OIL – Legal Bases

Energy Statistics Regulation

Regulation (EC) No 1099/2008 on energy statistics + amendments in 2010, 2013, 2014, 2017, 2019 and 2022/132

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

Latest consolidated version: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A02008R1099-20220220>

MOS OIL – Legal Bases

Emergency 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 modified [Article 3: Emergency stocks — Calculating stockholding obligations](#)

Latest consolidated version:

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

MOS OIL – Products and flows

- Products and main flows - Regulation (EC) No 1099/2008 (Tab 1 to Tab 5)
Production of primary products, refinery intake and output of secondary products, flows to and from Petrochemical industry, imports and exports, international marine bunkers use, stocks in national territory, inland deliveries
- Emergency and commercial stocks - Council Directive 2009/119/EC (Tab 5b to Tab 9)
In national territory, own emergency, held for others or by others, to be imported or exported, stocks by location, commercial stocks
- Products: Crude oil, NGLs, feedstocks, and several petroleum products. Also blended biofuels and H2.

MOS Oil – Other info

- Includes the changed provisions: amendment (EU) 2018/1581 to the Oil Stocks Directive
- Includes changes needed due to legal interpretation developments: EnC CPs stocks location

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

MONTHLY OIL QUESTIONNAIRE			
Country			
Month of data			
Status of data (final/provisional)			
Prepared by			
Date of transmission			
Table 1: SUPPLY OF CRUDE OIL, NGL, REFINERY FEEDSTOCKS, ADDITIVES AND OTHER HYDR			
	Crude oil	Natural gas liquids	Refinery feedstocks
	A	B	C
+ 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
- Statistical difference	10	0.000	0.000
= Refinery intake (Observed)	11		
Memo Item: Refinery losses	12		

MONTHLY OIL QUESTIONNAIRE
(select country)
August 2020

TABLE 5b AND TABLE 5c ARE TO BE COMPLETED ONLY BY THE EUROPEAN UNION MEMBER STATES AND ENERGY COMMUNIT

Table 5b: EUROPEAN UNION EMERGENCY STOCK LEVELS under Directive 2009/119/EC

All opening stock levels should be equal to closing stock levels of the previous month

		Crude oil	Natural gas liquids	Refinery feedstocks	Additives / oxygenates	Other hydrocarbons	Total (A to F, excl. E)	Ethane	LPG	Naphtha	Total motor gasolines	Biosgasolines	Non-biosgasolines	Aviation gasolines	Gasoline types jet fuel	Total kerosenes types jet fuel	Bio jet kerosenes	Non-bio jet kerosenes	Other kerosenes	Road diesel	Heating and other gas oil	Total gas/diesel oil	Biodiesels	Non-bio gas/diesel oil	
																									A
(EU-a) Emergency stocks (Total)	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
	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-b) Stocks held for other EU Member States under official agreement	Opening	3																							
	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	
(EU-c) Stocks with reserves	Opening	5																							
	Closing	6	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	
Foreign EU destination	Opening	7																							
	Closing	8																							
(EU-d) Stocks held by governments	Opening	9																							
	Closing	10																							
(EU-e) Stocks held by the Central Stockholding Entity (CSE) in national territory	Opening	11																							
	Closing	12																							
(EU-f) Stocks held by Economic Operators	Opening	13																							
	Closing	14																							
(EU-g) Stocks held abroad in other EU Member States under official agreement	Opening	15	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	
	Closing	16	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-h) Stocks held abroad in EU designated definitely for import into your country	Opening	17	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	
	Closing	18	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-i) Total Emergency Stocks held by the MS in accordance with the EU Directive 2009/119/EC	Opening	19	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	
	Closing	20	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	21																								
Refinery feed	22																								
Imports (Balance)	23																								
Exports (Balance)	24																								
Refinery intake (Calculated)	25																								
International marine bunkers	26																								
Gross inland deliveries (Observed)	27																								
All stocks	28																								
Backflows to refineries	29																								

Method used for calculating the deduction for naphtha yield: 4% default value for naphtha yield. NOTE: This variable is valid from January 2020

Minimum stock level calculated based on: Inland Consumption

Minimum stock level for compliance: 0.000

Daily Net Imports for compliance: 0.000

Daily Inland Consumption for compliance: 0.000

Method used for calculating the emergency stocks: Annex III (b)

Emergency Stocks held by the MS in accordance with the EU Directive (in Daily Exports): 0.000

Navigation: Summary | Table 1 | Table 2 | Table 3 | Table 4 | Table 5 | **Table 5b_5c** | Table 6 | Table 6b | Table 7 | Table 8 | Table 8b | Table 8c | Table 9

Each Contracting Party should fully understand the reporting methodologies and report the data.

MOS OIL

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

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

MOS Oil – Submitting data

- Deadlines for reporting: 55 days after the end of the reporting month
- **Reporting obligations for EnC CPs**
 - **Mos data: Obligation started with ref month Jan 2014*** (*Georgia 2017)
 - > **Some EnC CPs currently reporting some data Tab 1 – 5**
 - **Emergency oil stocks: Obligation to start with ref month Jan 2023**
 - > **Emergency stocks built and reporting**
 - > **Calculation of obligations**
 - > **Commercial stocks**

COIR - Crude Oil Imports Register

COIR - Legal Basis

Energy Statistics Regulation

Regulation (EC) No 1099/2008

+ amendments (Amendment 2146/2019, came into force on 1/1/2020)

ANNEX D: SHORT TERM MONTHLY STATISTICS

PARAGRAPH 2: CRUDE OIL IMPORTS AND SUPPLY

COIR - Submission

- Deadlines for reporting: one calendar month after the end of the reporting month.
- **Reporting obligations for EnC CPs: From Ref month January 2023**

Instructions can be found here:

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

COIR - Questionnaire

- The COIR questionnaire - to report on a monthly basis:
 - For each crude oil type imported:
 - ✓ 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

Data use

Dissemination, use and visualization

- Data are regularly published in our website.
 - The complete database is available here: <http://ec.europa.eu/eurostat/data/database>
 - COIR data:
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
- Visualization: Monthly data interactive visualization: [link](#)
- Eurostat articles and news items
- Needed to:
 - Monitor policies and targets (Energy Union, European green deal, Fit for 55)
 - Calculate indicators (GHG emissions, Covid recovery dashboard, ...)
 - For analysis, studies, articles and news

Thank you

Cristina.MARTELLO@ec.europa.eu

ESTAT-ENERGY-MONTHLY@ec.europa.eu

ESTAT-ENERGY-ANNUAL@ec.europa.eu

ESTAT-ENERGY@ec.europa.eu