

2017–2018 Minerals Yearbook

KUWAIT

THE MINERAL INDUSTRY OF KUWAIT

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In 2017 and 2018, hydrocarbons were a leading sector of the economy of Kuwait, and hydrocarbon exports accounted for a significant share of the gross domestic product (Organization of the Petroleum Exporting Countries, 2019, p. 17–20). The country ranked eighth among the world's leading producers of crude petroleum (Organization of the Petroleum Exporting Countries, 2019, p. 31). The legislative framework for the mineral sector in Kuwait is provided by Article 21 of the Constitution and law No. 21 of 1995, law No. 16 of 1996, and decision No. 210 of 2001. Data on mineral production are in table 1. Table 2 is a list of major mineral industry facilities. More-extensive coverage of the mineral industry of Kuwait can

be found in previous editions of the U.S. Geological Survey Minerals Yearbook, Volume III, Area Reports—International—Africa and the Middle East, which are available at <https://www.usgs.gov/centers/nmic/africa-and-middle-east>.

Reference Cited

Organization of the Petroleum Exporting Countries, 2019, 2019 OPEC annual statistical bulletin: Vienna, Austria, Organization of the Petroleum Exporting Countries, 128 p. (Accessed August 12, 2019, at https://www.opec.org/opec_web/static_files_project/media/downloads/publications/ASB_2019.pdf.)

TABLE 1
KUWAIT: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity ²	2014	2015	2016	2017	2018
INDUSTRIAL MINERALS					
Cement, hydraulic ^c	3,800,000	4,200,000	4,500,000 ^r	4,400,000 ^r	4,500,000
Nitrogen, N content:					
Ammonia	498,000 ^r	535,000 ^r	556,000 ^r	546,000 ^r	250,000 ^c
Urea	381,000 ^r	474,000 ^r	514,000 ^r	500,000 ^{r,c}	250,000 ^c
Salt	56,273	64,289	66,664 ^r	58,200 ^r	58,200 ^c
Sulfur:					
Compounds, sulfuric acid ^c	18,000	18,000	18,000	18,000	18,000
Byproduct, petroleum, S content ^c	850,000	850,000	850,000	850,000	850,000
MINERAL FUELS AND RELATED MATERIALS					
Natural gas, marketable	15,029	16,909	17,291	17,102	17,738
Petroleum:					
Crude, including condensate ³	1,130,000 ^r	1,117,000 ^r	1,150,000	1,095,000	1,113,000
Refinery:					
Distillate fuel oil	86,505 ^r	71,175 ^r	71,004 ^r	72,635	75,190
Gasoline	13,140 ^r	14,965 ^r	20,496 ^r	22,995	18,980
Kerosene	69,350 ^r	69,241	57,096 ^r	59,130	63,875
Residual fuel oil	53,290 ^r	58,400 ^r	67,344 ^r	63,145	56,210
Other	103,295 ^r	114,610 ^r	97,722 ^r	104,025	111,325
Total	326,000 ^r	328,000 ^r	314,000 ^r	322,000	326,000

^cEstimated. ^rRevised. do. Ditto.

¹Table includes data available through July 22, 2019. All data are reported unless otherwise noted. Totals and estimated data are rounded to no more than three significant digits; may not add to totals shown.

²In addition to the commodities listed, secondary aluminum, clays, glass, gypsum, lime, methanol, sand and gravel, and semimanufactured steel products may have been produced, but available information was inadequate to make reliable estimates of output.

³Source: BP Statistical Review of World Energy, 2019. Includes crude oil, shale oil, oil sands, condensates (both lease condensate and gas plant condensate) and NGLs (natural gas liquids – ethane, LPG and naphtha separated from the production of natural gas). Excludes liquid fuels from other sources, such as biomass and derivatives of coal and natural gas.

TABLE 2
KUWAIT: STRUCTURE OF THE MINERAL INDUSTRY IN 2018

(Metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity
Aluminum, secondary		Arabian Light Metals Co. K.S.C. (Kuwait Industries Co. Holding K.S.C.)	Ahmadi	15,000
Cement:				
Clinker		Kuwait Cement Co. K.S.C. (Kuwait Investment Authority, 32%, and National Industries Group, 22.4%)	2 kilns at Shuaiba Industrial Area	5,300,000
Do.		ACICO Cement Co. (subsidiary of ACICO Industries Co. K.S.C.)	do.	1,000,000
Gray portland		Kuwait Cement Co. K.S.C. (Kuwait Investment Authority, 32%, and National Industries Group, 22.4%)	do.	3,190,000
Do.		ACICO Cement Co. (subsidiary of ACICO Industries Co. K.S.C.)	Mill at Shuaiba Industrial Area	800,000
White		ACICO Industries Co. K.S.C.	do.	200,000
Do.		Kuwait Cement Co. K.S.C. (Kuwait Investment Authority, 32%, and National Industries Group, 22.4%)	Kiln and mill at Shuaiba Industrial Area	170,000
Iron and steel, steel:				
Crude		Al Oula Steel Manufacturing Co. K.S.C.	Shuaiba Industrial Area	150,000
Do.		United Steel Industrial Co. K.S.C.C. (local investors, 51%, and Ahwaz Steel Commercial and Technical Services GmbH, 49%)	Melt shop at Shuaiba Industrial Area	1,000,000
Rolled:				
Bar and rod		do.	Rolling mill at Shuaiba Industrial Area	900,000
Do.		Kuwait Reinforcement Steel Manufacturing Co. (Ali Al-Sarraf International Group Co.)	do.	400,000
Pipe		Kuwait Pipes Industries and Oil Services Co. K.S.C.	Pipe mill at Sulaibiya Industrial Area	120,000
Do.		do.	Pipe mill at Shuwaikh ¹	65,000
Natural gas	million cubic meters	Various	Various fields ²	17,000
Natural gas liquids	thousand 42-gallon barrels	Kuwait Oil Co. K.S.C. (KOC) [Kuwait Petroleum Corp. (KPC), 100%]	do.	70,000
Nitrogen:				
Ammonia		Petrochemical Industries Co. K.S.C. [Kuwait Petroleum Corp. (KPC), 100%]	Plant B, Shuaiba Industrial Area ³	600,000
Urea		do.	Plants A and B, Shuaiba Industrial Area ³	600,000
Petroleum:				
Coke, calcined		do.	Shuaiba	350,000
Crude	42-gallon barrels per day	Kuwait Oil Co. K.S.C. (KOC) [Kuwait Petroleum Corp. (KPC), 100%]	Southern and eastern fields (Burgan, Khasman, and Madina Fields)	1,350,000
Do.	do.	Al-Khafji Joint Operations (Kuwait Gulf Oil Co., 50%, and Aramco Gulf Operations Co., 50%)	Khafji Field, offshore Partitioned Neutral Zone	600,000
Do.	do.	Kuwait Oil Co. K.S.C. (KOC) [Kuwait Petroleum Corp. (KPC), 100%]	Northern fields (Abdali, Bahra, Ratqa, Matraha, Raudhatain, and Sabiya Fields)	559,000
Do.	do.	do.	Western fields (Abdaliya, Kra' Al-Mero, Managish, and Umm Gudair Fields)	427,000
Do.	do.	Kuwait Gulf Oil Co. [Kuwait Petroleum Corp. (KPC), 100%]	South Fuwaris and South Umm Gudair Fields, onshore Partitioned Neutral Zone	80,000

See footnotes at end of the table.

TABLE 2—Continued
KUWAIT: STRUCTURE OF THE MINERAL INDUSTRY IN 2018

(Metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity
Petroleum:—Continued				
Crude—Continued	42-gallon barrels per day	Kuwait Gulf Oil Co. [Kuwait Petroleum Corp. (KPC), 100%]	Wafra Field, onshore Partitioned Neutral Zone	80,000
Do.	do.	do.	Hout Field, offshore Partitioned Neutral Zone	NA
Refined products	do.	Kuwait National Petroleum Co. K.S.C. (KNPC) [Kuwait Petroleum Corp. (KPC), 100%]	Mina Al-Ahmadi refinery	466,000
Do.	do.	do.	Mina Abdulla refinery	270,000
Do.	do.	do.	Shuaiba refinery	50,000
Salt		Al Kout Industrial Projects Co. K.S.S.C.	Shuaiba	15,000
Sulfur		Kuwait National Petroleum Co. K.S.C. (KNPC) [Kuwait Petroleum Corp. (KPC), 100%]	Mina Abdulla, Mina Al-Ahmadi, and Shuaiba refineries	990,000
Sulfuric acid		Kuwait Sulphuric Acid Co.	Safat	18,000

Do., do. Ditto. NA Not available.

¹Seasonal operations, typically April through October.

²Some natural gas was produced and recovered from most crude oil production operations in Kuwait and the Partitioned Neutral Zone. Nonassociated natural gas was produced from the Sabriyah Field.

³Closed in June 2018.