

2016 Minerals Yearbook

KUWAIT

THE MINERAL INDUSTRY OF KUWAIT

By Loyd M. Trimmer III

Hydrocarbons were a leading segment of the economy of Kuwait in 2016, accounting for about 90% of the value of the country's total exports (Organization of the Petroleum Exporting Countries, 2017, p. 19–20). The country ranked ninth among the world's leading producers of crude petroleum in 2016 (BP p.l.c., 2017, p. 14). The legislative framework for Kuwait's mineral sector 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>.

References Cited

- BP p.l.c., 2017, BP statistical review of world energy—June 2016: London, United Kingdom, BP p.l.c., 44 p. (Accessed January 27, 2018, at <https://www.bp.com/content/dam/bp/en/corporate/pdf/energy-economics/statistical-review-2017/bp-statistical-review-of-world-energy-2017-full-report.pdf>.)
- Organization of the Petroleum Exporting Countries, 2017, Annual statistical bulletin: Organization of the Petroleum Exporting Countries, 144 p. (Accessed January 27, 2018, at http://www.opec.org/opec_web/static_files_project/media/downloads/publications/ASB2017.pdf.)

TABLE 1
KUWAIT: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity ²	2012	2013	2014	2015	2016
INDUSTRIAL MINERALS					
Cement, hydraulic	2,400,000 ^e	3,000,000 ^{r,e}	3,800,000 ^{r,e}	4,200,000 ^{r,e}	4,200,000 ^e
Lime, hydrated and quicklime ^e	50,000	50,000	50,000	NA	NA
Nitrogen:					
N content of ammonia	451,000	552,000	542,000	450,000	547,400
N content of urea	379,000	458,000	482,000	405,000	486,200
Sulfur compounds, sulfuric acid ^e	18,000	18,000	18,000	18,000	18,000
Sulfur, S content byproduct petroleum	844,300 ^r	850,000 ^e	850,000 ^{r,e}	850,000 ^e	800,000 ^e
MINERAL FUELS AND RELATED MATERIALS					
Natural gas liquids thousand 42-gallon barrels	71,000	71,000	70,000	72,000 ^e	70,000 ^e
Natural gas, marketable million cubic meters	15,515	16,311	15,029	16,909	17,291
Petroleum:					
Crude, including condensate thousand 42-gallon barrels	1,157,000	1,142,000 ^r	1,132,000 ^r	1,120,000 ^r	1,150,000
Refinery production:					
Distillate fuel oil do.	83,074	90,630 ^r	89,243 ^r	82,527	77,380
Gasoline do.	19,126	21,608	13,432	17,447	22,229
Kerosene do.	65,992	68,547	71,467	69,241	61,539
Residual fuel oil do.	72,927	65,627	54,714 ^r	67,635	73,548
Other do.	144,686	115,705	106,325 ^r	132,970	102,383
Total	386,000 ^r	362,000 ^r	335,000 ^r	370,000 ^r	337,000

^eEstimated. ^rRevised. do. Ditto. NA Not available.

¹Table includes data available through November 29, 2017. 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, chlorine, clay, gypsum, methanol, salt, sand and gravel, and semimanufactured steel products may have been produced in Kuwait, but available information was inadequate to make reliable estimates of output.

TABLE 2
KUWAIT: STRUCTURE OF THE MINERAL INDUSTRY IN 2016

(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 ²	Various fields	17,000
Natural gas liquids thousand 42-gallon barrels	Kuwait Oil Co. K.S.C. (KOC) [Kuwait Petroleum Corp. (KPC), 100%]	do.	65,000
Nitrogen:			
Ammonia	Petrochemical Industries Co. K.S.C. [Kuwait Petroleum Corp. (KPC), 100%]	Plant B, Shuaiba Industrial Area	676,000
Urea	do.	Plants A and B, Shuaiba Industrial Area	1,130,000
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
Do.	do.	Kuwait Oil Co. K.S.C. (KOC) [Kuwait Petroleum Corp. (KPC), 100%]	Northern fields (Abdali, Bahra, Ratqa, Matraha, Raudhatain, and Sabiya fields)
Do.	do.	do.	Western fields (Abdaliya, Kra' Al-Mero, Managish, and Umm Gudair fields)
Do.	do.	Kuwait Gulf Oil Co. [Kuwait Petroleum Corp. (KPC), 100%]	South Fuwaris and South Umm Gudair fields, onshore Partitioned Neutral Zone

See footnotes at end of table.

TABLE 2—Continued
KUWAIT: STRUCTURE OF THE MINERAL INDUSTRY IN 2016

(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	200,000
Salt		Al Kout Industrial Projects Co. K.S.S.C.	Shuaiba	15,000
Sulfur compounds, sulfuric acid		Kuwait Sulphuric Acid Co.	Safat	18,000
Sulfur, S content byproduct petroleum		Kuwait National Petroleum Co. K.S.C. (KNPC) [Kuwait Petroleum Corp. (KPC), 100%]	Mina Abdulla, Mina Al-Ahmadi, and Shuaiba refineries	990,000

Do., do. Ditto. NA Not available.

¹Some natural gas was produced and recovered from most crude petroleum production operations in Kuwait and the Partitioned Neutral Zone.

Nonassociated natural gas was produced from the Sabriyah field.

²Seasonal operations, typically April through October.