

# Mineral Industry Surveys

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## MANGANESE IN FEBRUARY 2001

In February, reported consumption of manganese ore containing 35% or more manganese, exclusive of that at iron and steel plants, was 23,500 metric tons (t), which was an increase of about 3% compared with that for the previous month, according to the U.S. Geological Survey. This brought the year-to-date total to 46,400 t. The figures for February increase to 25,900 t and 51,200 t, respectively, when estimates for annual respondents are added on the basis of 1999 data. Corresponding industry stocks of ore at the end of the month were 231,000 t, which includes an estimate for annual respondents on the basis of 1999 data. This was a decrease of about 2% compared with the corresponding figure for stocks at the end of January.

Data for domestic consumption and stocks of manganese ferroalloys and metal will appear in a subsequent monthly report.

Foreign trade data for February will appear in a subsequent report. The data for January tabulated in this report indicate export of an unusually large volume of silicomanganese, the greatest of any month since August 1988. **Note:** For early availability, the trade data appearing in this report were placed on MINES FaxBack in preliminary form as of March 28. The FaxBack document number for the preliminary February trade data will be 420202.

The Defense National Stockpile Center of the Defense Logistics Agency, U.S. Department of Defense, reported no cash

disposals of manganese materials from the National Defense Stockpile in February. This was the fourth consecutive month in which there were no disposals.

Kerr-McGee Chemical LLC, Oklahoma City, OK, stated that it would be ending production of electrolytic manganese metal by the end of the second quarter of 2001. Kerr-McGee Chemical was reported to have been producing about 12,000 metric tons per year of metal at its plant at Hamilton, MS. This action, coupled with the ending last year of metal production by Eramet Marietta at its Marietta, OH, plant, will end domestic production of the metal. Kerr-McGee Chemical gave the same reasons for ending production as had Eramet Marietta; that is, cheap imports and declining prices (Metal Bulletin, 2001; Smith, 2001). The facility being shut down by Kerr-McGee Chemical was brought into production in 1962 by the then-American Potash & Chemical Corp. with an original planned annual capacity of about 4,500 t.

### References Cited

- Metal Bulletin, 2001, US manganese production to end: Metal Bulletin, no. 8553, February 26, p. 11.  
Smith, A.P., 2001, Last US manganese producer to close: American Metal Market, v. 109, no. 41, March 1, p. 16.

TABLE 1  
SELECTED U.S. FOREIGN TRADE IN MANGANESE 1/

(Metric tons, manganese content) 2/

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2000:						
January	17,100	27,600	44,700	144	926	1,070
2001:						
January	23,400 3/	35,100	58,400	185	1,830	2,020

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ As reported except as estimated for imports of manganese dioxide and manganese waste and scrap and for exports from gross weights.

3/ All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 2  
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN JANUARY 2001 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value
Australia	3,520	2,310	\$1,210,000
Canada	36	24	8,200
India	6,040	3,960	2,490,000
Norway	1,500	921	870,000
South Africa	10,400	7,000	3,720,000
Total	21,500	14,200	8,290,000
Total, general imports	21,500	14,200	8,290,000

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 3  
U.S. IMPORTS FOR CONSUMPTION OF FERROMANGANESE IN JANUARY 2001 1/

(Metric tons)

Source	Gross weight	Mn content	Customs value
<b>Low carbon:</b>			
China	303	278	\$303,000
Italy	320	266	252,000
Mexico	470	377	351,000
Norway	24	19	28,500
South Africa	280	260	390,000
Total, low carbon	1,400	1,200	1,330,000
Total, general imports of low carbon	1,400	1,200	1,330,000
<b>Medium carbon, 1%-2% C:</b>			
China	902	722	550,000
Mexico	2,800	2,270	1,890,000
South Africa	5,870	4,750	4,090,000
Total, m.c., 1%-2% C	9,570	7,750	6,530,000
Total, general imports of medium carbon	9,570	7,750	6,530,000
<b>High carbon:</b>			
Brazil	3,980	3,070	1,470,000
South Africa	9,270	7,140	3,850,000
Total, high carbon	13,300	10,200	5,330,000
Total, general imports of high carbon	13,300	10,200	5,330,000
Grand total	24,200	19,200	13,200,000
Grand total, general imports	24,200	19,200	13,200,000

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Source: U.S. Census Bureau.

TABLE 4  
U.S. IMPORTS OF MANGANESE ORE (20% OR MORE Mn) IN JANUARY 2001 1/ 2/

(Metric tons)

Source	20% - 47% Mn		47% or more Mn		Total	
	Gross weight	Mn content	Gross weight	Mn content	Gross weight	Mn content
Gabon	10,300	4,550	25,000 3/	15,800 3/	35,300	20,400
Mexico	175	78	--	--	175	78
Total	10,500	4,630	25,000	15,800	35,500	20,500

-- Zero.

1/ Quantities for general imports and imports for consumption are identical.

2/ Data are rounded to no more than three significant digits; may not add to totals shown.

3/ All or part of these data have been referred to the U.S. Census Bureau for verification.

Source: U.S. Census Bureau.

TABLE 5  
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE AND MANGANESE METAL  
IN JANUARY 2001 1/

(Metric tons, gross weight)

Source	Manganese dioxide		Manganese metal	
	Quantity	Customs value	Unwrought Quantity	Other Quantity
Australia	2,840	\$4,040,000	--	--
Belgium	98	97,600	--	--
Canada	--	--	--	1
China	--	--	350	10
France	--	--	--	5
Germany	3	13,000	83	--
Greece	293	385,000	--	--
India	--	--	--	39
Ireland	581	767,000	--	--
Mexico	--	--	--	15
Morocco	1	2,530	--	--
South Africa	1,040	1,460,000	1,200	--
Total	4,860	6,760,000	1,630	69
Total, general imports	4,860	6,760,000	1,560	69

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

Note: No imports for consumption of metallic manganese waste and scrap were reported.

Source: U.S. Census Bureau.

TABLE 6  
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE,  
SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION  
IN JANUARY 2001 1/

(Metric tons, gross weight)

	Manganese ore	Ferromanganese, 2% or less C	Silicomanganese	Manganese metal 2/
Australia	7	--	5	2
Canada	180	65	91	6
Hong Kong	--	--	--	1
Ireland	137	--	--	--
Italy	19	--	--	--
Japan	--	--	--	75
Korea, Republic of	--	--	--	2
Mexico	--	33	2,070	29
Netherlands	--	--	5	3
Singapore	--	4	--	--
Switzerland	19	--	--	--
United Kingdom	8	--	--	--
Total	371	101	2,170	117

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ Includes manganese-aluminum, some other alloys, and waste and scrap.

Note: Exports of ferromanganese with more than 2% carbon totaled 256 tons, all of which went to Canada.

Source: U.S. Census Bureau.

TABLE 7  
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN JANUARY 2001, BY CLASS 1/

Class	Gross weight (metric tons)	Value 2/ (thousands)	Principal sources and destinations: gross weight (metric tons); value 2/ (thousands)
<b>Imports for consumption:</b>			
Manganese oxides other than dioxide	95	\$166	South Africa 36; \$91
Sulfates, basket category, including manganese sulfate	1,530	1,060	Mexico 651; \$334
Potassium permanganate	180	347	India 90; \$171
Manganites, manganates, and other permanganates	--	--	--
<b>Exports:</b>			
Manganese dioxide	416	457	Canada 295; \$102
Manganese oxides other than dioxide	1,080	950	Canada 316; \$128
Sulfates, basket category, including manganese sulfate	2,520	1,080	Canada 1,920; \$486
Potassium permanganate	230	477	Spain 75; \$134
Manganites, manganates, and other permanganates	30	62	Nicaragua 15; \$32

-- Zero.

1/ Data are rounded to no more than three significant digits; may not add to totals shown.

2/ For imports, Customs value; for exports, f.a.s. value.

Source: U.S. Census Bureau.