

# Mineral Industry Surveys

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## MANGANESE IN MARCH 2004

In March, reported consumption of manganese ore containing 35% or more manganese, exclusive of that consumed at iron and steel plants, was 34,100 metric tons (t), which was an 11% increase from the revised estimate for February of 33,000 t, according to the U.S. Geological Survey. This figure increases to 36,500 t when estimates for annual respondents are added on the basis of 2003 data. Corresponding industry stocks of ore at the end of the month were 128,000 t, which includes an estimate for annual respondents on the basis of 2003 data. (Data for the most recent 13 months are plotted in the graph on page 2.) Domestic consumption of manganese ore during the first quarter of 2004 was slightly higher than that during the first quarter of 2003, and 3% higher compared with the last quarter of 2003.

Foreign trade data for March will appear in a subsequent report. The data for February 2004 tabulated in this report indicate that the total exports, on a manganese content basis, were 12 times those of January 2004, owing to a significant increase in manganese ore exports. Manganese imports, on a manganese content basis, increased by 10%, compared with those of January based on increases in ferroalloy and metal imports.

### Update

Several steel companies—AK Steel Corp., Allegheny Ludlum Corp., and Universal Stainless & Alloy Products, Inc.—have begun to place manganese surcharges on their products, owing to alltime high ferromanganese prices. The trigger price for the surcharge is \$600 per long ton or about \$591 per metric ton based on published standard ferromanganese prices (Platts Metals Week, 2004a; Ryan's Notes, 2004a, b).

Interested parties can request administrative review of the antidumping duty orders on silicomanganese imports from India, Kazakhstan, and Venezuela. The period of review is May 1, 2003, through April 30, 2004 (U.S. International Trade Administration, 2004a).

On May 10, Eramet Marietta Inc. ended its silicomanganese allocation (Platts Metals Week, 2004b). Eramet Marietta began rationing silicomanganese shipments earlier in the year because of production problems arising from shortages in coke and electricity during the winter months.

On May 24, the U.S. International Trade Administration amended the antidumping duty on silicomanganese imports from Brazil's Electrosiderurgica Brasileira SA (SIBRA), Companhia Paulista de Ferroligas (CPFL), and Urucum Mineracao S.A. for the period of December 1, 2001, through November 30, 2002. These companies are subsidiaries of Brazilian mineral producer Companhia Vale do Rio Doce (CVRD). The amended duty margin is 16.5%, up from 13.02% issued in March 2004 (U.S. International Trade Administration, 2004b, c).

### References Cited

- Platts Metals Week, 2004a, AK Steel slaps on manganese surcharge: Platts Metals Week, v. 75, no. 18, May 3, p. 3.  
Platts Metals Week, 2004b, Eramet Marietta ends SiMn allocation: Platts Metals Week, v. 75, no. 19, May 10, p. 4.  
Ryan's Notes, 2004a, Congress asked to boost US FeMn sales to 100,000 tons—FeSi case back to ITC: Ryan's Notes, v. 10, no. 20, May 17, p. 1.  
Ryan's Notes, 2004b, Transportation woes for Mn ore: Ryan's Notes, v. 10, no. 17, April 26, p. 2.  
U.S. International Trade Administration, 2004a, Antidumping or countervailing order, finding, or suspended investigation—Opportunity to request administrative review: Federal Register, v. 69, no. 85, May 3, p. 24117-24118.  
U.S. International Trade Administration, 2004b, Silicomanganese from Brazil—Final results of antidumping duty administrative review: Federal Register, v. 69, no. 57, March 24, p. 13813-13814.  
U.S. International Trade Administration, 2004c, Silicomanganese from Brazil—Notice of amended final results of antidumping duty administrative review: Federal Register, v. 69, no. 100, May 24, p. 29517-29518.

TABLE 1  
SELECTED U.S. FOREIGN TRADE IN MANGANESE<sup>1</sup>

(Metric tons, manganese content)<sup>2</sup>

	Imports for consumption			Exports		
	Ore and dioxide	Ferroalloy and metal	Total	Ore	Ferroalloy and metal	Total
2003:						
February	21,100	27,700	48,800	151	820	971
January-February	23,500	52,600	76,100	327	1,530	1,860
2004:						
January	13,100	37,500	50,600	653	796	1,450
February	20,600	33,100	53,700	1,920	745	2,660
Total	33,700	70,600	104,000	2,570	1,540	4,110

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

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

Source: U.S. Census Bureau.

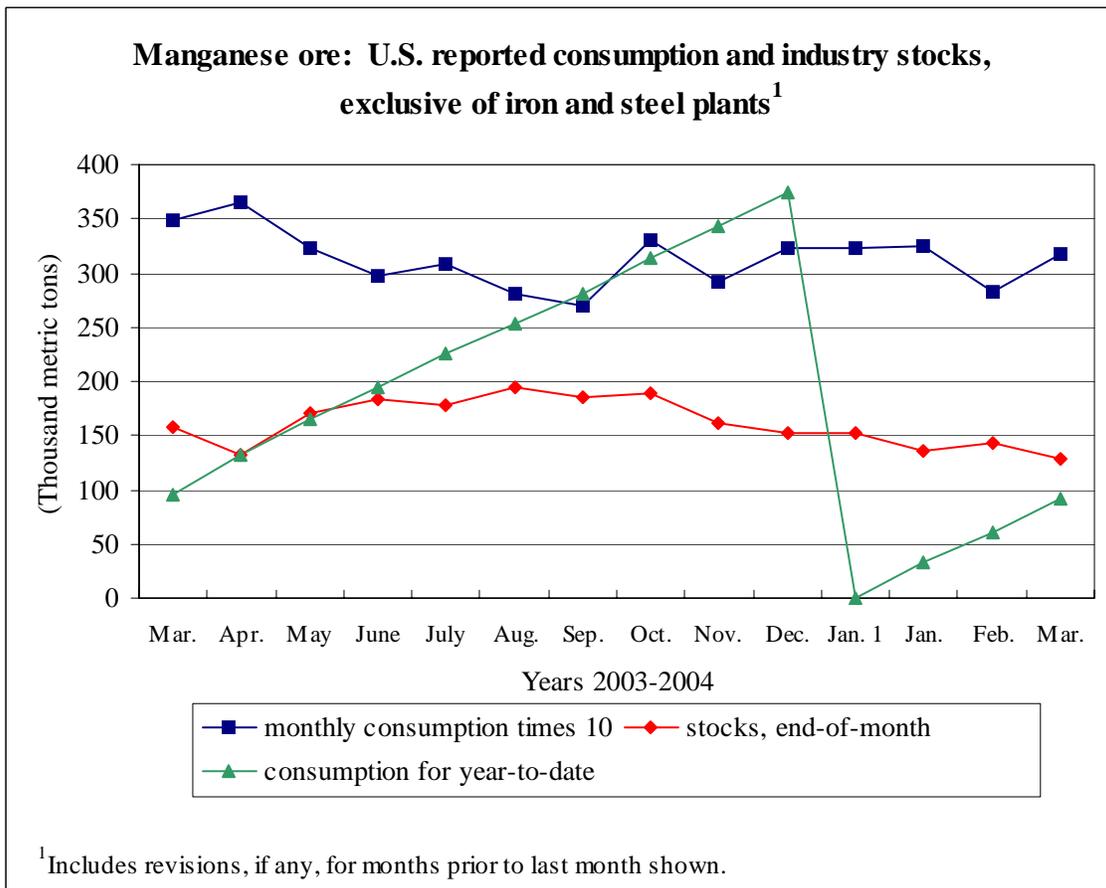


TABLE 2  
U.S. IMPORTS FOR CONSUMPTION OF SILICOMANGANESE IN FEBRUARY 2004<sup>1</sup>

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
Australia	--	--	--	4,010	2,670	\$2,200,000
Canada	578	492	\$255,000	668	552	\$295,000
Georgia	2,700	2,700	1,380,000	2,760	2,740	\$1,420,000
Korea, Republic of	4,350	2,860	1,880,000	4,350	2,860	1,880,000
Norway	4,530	2,760	3,980,000	6,030	3,780	4,690,000
Romania	2,010	2,010	1,090,000	10,200	7,480	6,480,000
South Africa	8,710	5,720	5,470,000	20,000	13,200	11,700,000
Ukraine	--	--	--	18	13	18,000
United Kingdom	--	--	--	17	13	11,700
Total	22,900	16,500	14,100,000	48,000	33,300	28,700,000
Total, general imports	22,900	16,500	14,100,000	48,000	33,300	28,700,000

-- Zero.

<sup>1</sup>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 FEBRUARY 2004<sup>1</sup>

(Metric tons, unless otherwise specified)

Source	Gross weight	Mn content	Customs value	Year to date		
				Gross weight	Mn content	Customs value
<b>Low carbon:</b>						
Canada	156	146	\$165,000	1050	888	\$869,000
Mexico	829	655	748,000	1,220	963	1,100,000
Norway	--	--	--	701	572	599,000
South Africa	4	3	5,230	164	150	183,000
Total, low carbon	989	804	918,000	3,140	2,570	2,760,000
Total, general imports of low carbon	989	804	918,000	3,140	2,570	2,760,000
<b>Medium carbon, 1%-2% C:</b>						
China	--	--	--	840	682	580,000
Italy	11	76	42,000	11	76	42,000
Korea, Republic of	2,500	2,000	1,450,000	2,500	2,000	1,450,000
Mexico	79	61	75,200	166	128	158,000
Norway	--	--	--	2,540	2,080	1,900,000
South Africa	3,100	2,500	2,490,000	8,880	7,130	6,430,000
Total, m.c., 1%-2% C	5,690	4,630	4,050,000	14,900	12,100	10,600,000
Total, general imports of m.c., 1%-2% C	5,690	4,630	4,050,000	14,900	12,100	10,600,000
<b>High carbon:</b>						
Australia	801	618	149,000	2,310	1,780	793,000
Brazil	--	--	--	3,920	3,090	1,830,000
Norway	2,090	1,620	991,000	5,890	4,590	2,670,000
South Africa	10,300	7,990	5,240,000	13,400	10,400	6,740,000
Total, high carbon	13,200	10,200	6,380,000	25,600	19,900	12,000,000
Total, general imports of high carbon	13,200	10,200	6,380,000	25,600	19,900	12,000,000
Grand total	19,900	15,700	11,400,000	43,600	34,500	25,400,000
Grand total, general imports	19,900	15,700	11,400,000	43,600	34,500	25,400,000

-- Zero.

<sup>1</sup>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 FEBRUARY 2004<sup>1,2</sup>

(Metric tons)

Source	20% - 47% Mn		47% or more Mn		Total	
	Gross weight	Mn content	Gross weight	Mn content	Gross weight	Mn content
Australia	--	--	17,300	9,150	17,300	9,150
Belgium	--	--	18	13	18	13
Gabon	--	--	19,800	9,710	19,800	9,710
Total	--	--	37,100	18,900	37,100	18,900
<b>Year to date:</b>						
Australia	--	--	17,300	9,150	17,300	9,150
Belgium	--	--	36	25	36	25
Gabon	--	--	41,700	20,700	41,700	20,700
Total	--	--	59,000	29,800	59,000	29,800

-- Zero.

<sup>1</sup>Quantities for general imports and imports for consumption are identical.

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

Source: U.S. Census Bureau.

TABLE 5  
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE DIOXIDE IN FEBRUARY 2004<sup>1</sup>

(Metric tons, gross weight)

Source	Manganese dioxide			
	Quantity	Customs value	Year to date	
			Quantity	Customs value
Australia	1,320	\$1,620,000	3,160	\$3,830,000
Belgium	13	28,600	68	135,000
Brazil	5	8,640	89	44,600
China	1,030	1,040,000	1,620	1,630,000
Germany	23	38,700	23	38,700
Greece	--	--	288	340,000
Japan	435	533,000	827	989,000
South Africa	--	--	370	467,000
Total	2,820	3,270,000	6,450	7,480,000
Total, general imports	2,820	3,270,000	6,450	7,480,000

-- Zero.

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

Source: U.S. Census Bureau.

TABLE 6  
U.S. IMPORTS FOR CONSUMPTION OF MANGANESE METAL IN FEBRUARY 2004<sup>1</sup>

(Metric tons)

Source	Gross weight	Customs value	Year to date	
			Gross weight	Customs value
<b>Unwrought flake:</b>				
China	--	--	540	\$545,000
South Africa	282	\$389,000	785	991,000
Total	282	389,000	1,320	1,540,000
<b>Unwrought powder:</b>				
China	132	95,900	372	392,000
South Africa	282	561,000	565	938,000
Total	414	657,000	937	1,330,000
<b>Unwrought, other:</b>				
Spain	34	65,000	34	65,000
South Africa	100	126,000	300	378,000
Total	134	191,000	334	443,000
<b>Other manganese, wrought:</b>				
China	55	92,800	106	149,000
India	8	12,000	8	12,000
Spain	--	--	17	39,200
United Kingdom	(2)	5,100	(2)	5,100
Total	63	110,000	131	205,000
Grand total	892	1,350,000	2,730	3,510,000

-- Zero.

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

<sup>2</sup>Less than 1/2 unit.

Note: Imports for consumption of metallic manganese waste and scrap totaled 94 tons, of which 87 tons was from Canada and 7 tons was from France, to give a year-to-date total of 163 tons.

Source: U.S. Census Bureau.

TABLE 7  
U.S. EXPORTS OF MANGANESE ORE (20% OR MORE Mn), FERROMANGANESE,  
SILICOMANGANESE, AND MANGANESE METAL BY COUNTRIES OF DESTINATION IN 2004<sup>1</sup>

(Metric tons, gross weight)

	Manganese ore		Ferromanganese, 2% or less C		Silicomanganese		Manganese metal <sup>2</sup>	
	February	Year to date	February	Year to date	February	Year to date	February	Year to date
Australia	15	15	--	--	--	--	--	--
Belgium	--	--	--	--	--	--	58	77
Brazil	20	35	--	--	--	--	--	2
Canada	675	1,180	542	993	--	--	88	199
Estonia	--	--	--	54	--	--	--	--
France	--	--	--	--	--	--	--	(3)
Germany	461	1,050	--	--	--	--	(3)	(3)
Hong Kong	--	23	--	--	--	--	--	--
Indonesia	--	--	--	--	--	5	--	--
Italy	--	74	--	--	--	--	20	20
Japan	--	--	--	--	--	--	18	129
Mexico	--	--	12	22	17	35	19	105
Netherlands	2,390	2,390	--	--	7	11	--	--
Poland	139	188	--	--	--	--	--	--
Russia	--	21	--	--	--	--	--	--
Sweden	41	61	--	--	--	--	--	32
Trinidad and Tobago	--	--	--	--	38	38	--	--
United Kingdom	95	98	--	--	--	--	--	--
Total	3,830	5,140	554	1,070	62	89	203	564

-- Zero.

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

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

<sup>3</sup>Less than 1/2 unit.

Note: Exports of ferromanganese with more than 2% carbon totaled 80 tons, of which 62 went to Canada and 18 went to Colombia, to give a year-to-date total of 95 tons.

Source: U.S. Census Bureau.

TABLE 8  
U.S. FOREIGN TRADE IN SELECTED MANGANESE CHEMICALS IN FEBRUARY 2004, BY CLASS<sup>1</sup>

Class	Gross weight (metric tons)	Value <sup>2</sup> (thousands)	Principal sources and destinations: gross weight (metric tons); value <sup>2</sup> (thousands)	Year to date		Principal sources and destinations: gross weight (metric tons); value <sup>2</sup> (thousands)
				Gross weight (metric tons)	Value <sup>2</sup> (thousands)	
<b>Imports for consumption:</b>						
Manganese oxides other than dioxide	235	\$229	Mexico 149; \$71	420	\$354	Mexico 262; \$116
Sulfates, basket category, including manganese sulfate	1,700	1,150	Mexico 920; \$612	5,350	2,910	Mexico 1,720; \$1,004
Potassium permanganate	90	171	Czech Republic 90; \$171	223	427	Czech Republic 169; \$321
Manganites, manganates, and other permanganates	90	147	China 90; \$147	274	446	China 274; \$446
<b>Exports:</b>						
Manganese dioxide	344	324	Canada 151; \$59	588	515	Canada 317; \$132
Manganese oxides other than dioxide	476	283	Canada 302; \$127	791	596	Canada 499; \$212
Sulfates, basket category, including manganese sulfate	1,290	732	Canada 989; \$330	2,700	1,440	Canada 2,210; \$726
Potassium permanganate	143	200	Spain 97; \$146	564	828	Spain 405; \$632
Manganites, manganates, and other permanganates	55	229	Japan 41; \$167	119	491	Japan 77; \$338

<sup>1</sup>Data are rounded to no more than three significant digits.

<sup>2</sup>For imports, Customs value; for exports, free alongside ship value.

Source: U.S. Census Bureau.