



2002 ECONOMIC CENSUS

MISCELLANEOUS METAL ORE MINING

FORM
MI-21205

OMB No. 0607-0897: Approval Expires 08/31/2004

DUE DATE
FEBRUARY 12, 2003

Mail your completed form to:
U.S. CENSUS BUREAU
1201 East 10th Street
Jeffersonville, IN 47134-0001

Please read the accompanying information sheet(s) before answering the questions.

Need help or have questions about filling out this form?

Visit our Web site at www.census.gov/econhelp

Call 1-800-233-6136, between 8:00 a.m. and 8:00 p.m., Eastern time, Monday through Friday.

- OR -

Write to the address above. Include your 11-digit Census File Number (CFN) printed in the mailing address.

MI-21205

**INFORMATION COPY
DO NOT USE TO REPORT**

(Please correct any errors in this mailing address.)

YOUR RESPONSE IS REQUIRED BY LAW. Title 13, United States Code, requires businesses and other organizations that receive this questionnaire to answer the questions and return the report to the U.S. Census Bureau. By the same law, **YOUR CENSUS REPORT IS CONFIDENTIAL.** It may be seen only by persons sworn to uphold the confidentiality of Census Bureau information and may be used only for statistical purposes. Further, copies retained in respondents' files are immune from legal process.

- Use blue or black ink.
- Do not use pencil.
- Place an "X" inside the box.
- Please center numbers in their respective boxes. Examples:
- Do not put slashes through 0 or 7.

<input checked="" type="checkbox"/>	0	1	2	3	4	5	6	7	8	9
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The reporting unit for this form is an establishment. An **establishment** is generally a single physical location where business is conducted or where services or industrial operations are performed. For further clarification, see information sheet(s).

1 MONTHS IN OPERATION Mark "X" if None

Number of months in operation during 2002 (If none, mark "X" and go to 29.) 0002

2002	
Number of months	

2 EMPLOYER IDENTIFICATION NUMBER

Is the Employer Identification Number (EIN) shown in the mailing address the same as the one used for this establishment on its latest 2002 Internal Revenue Service Form 941, Employer's Quarterly Federal Tax Return?

0021 Yes 0022 No - Enter current EIN (9 digits) → 0025 -

3 PHYSICAL LOCATION

A. Is this establishment's physical location the same as shown in the mailing address? (P.O. box and rural route addresses are not physical locations.)

0031 Yes 0035 Number and street

0032 No - Enter physical location → 0036 City, town, village, etc. 0037 State 0038 ZIP Code

B. Is this establishment physically located inside the legal boundaries of the city, town, village, etc.?

0041 Yes 0042 No 0043 No legal boundaries 0044 Do not know

C. Type of municipality where this establishment is physically located

0046 City, village, or borough 0047 Town or township 0048 Other or do not know

21205018

HOW TO REPORT DOLLAR FIGURES

Dollar figures should be rounded to thousands of dollars.

If a figure is \$1,025,628.79:

Report → Mark "X" if None

If a value is "0" (or less than \$500.00):

Report → Mark "X" if None

2002		
\$ Bil.	Mil.	Thou.
	1	0 2 6

4 SALES, SHIPMENTS, RECEIPTS, OR REVENUE

(Exclude nonoperating income such as royalties, interest, dividends, or the sale of fixed assets.)

A. Total value of products shipped and other receipts (Report detail in 22.) . . . 0100

Mark "X" if None

B. Value of products exported (This is a breakout of the value reported on line A.)

Report the value of products shipped for export. Include shipments to customers in the Panama Canal Zone, the Commonwealth of Puerto Rico, and U.S. possessions, as well as the value of products shipped to exporters or other wholesalers for export. Also, include the value of products sold to the U.S. Government to be shipped to foreign governments. 0130

Mark "X" if None

2002		
\$ Bil.	Mil.	Thou.

5 E-COMMERCE SALES, SHIPMENTS, RECEIPTS, OR REVENUE

A. Did any of the amount reported in 4, line A include e-commerce sales, shipments, or receipts? (E-commerce sales, shipments, or receipts are online orders for products from customers where price and/or terms of the sale are accepted or negotiated over an Internet, Extranet, Electronic Data Interchange (EDI) network, electronic mail, or other online system. Payment may or may not be made online.)

0181 Yes - Go to line B

0182 No - Go to 6

B. Percent of total value of products shipped and other receipts reported in 4, line A using e-commerce (Report whole percents. Estimates are acceptable.) 0109

2002	
Percent	
	%



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If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

6 EMPLOYMENT AND PAYROLL

Include:

- Full- and part-time employees working at this establishment whose payroll was reported on Internal Revenue Service Form 941, Employer's Quarterly Federal Tax Return, and filed under the Employer Identification Number (EIN) shown in the mailing address or corrected in 2.

Exclude:

- Full- or part-time leased employees whose payroll was filed under an employee leasing company's EIN.
- Temporary staffing obtained from a staffing service.
- Subcontractors and their employees.

For further clarification, see information sheet(s).

A. Number of employees

1. Number of production, development, and exploration workers for pay period including March 12 0325
2. Number of other employees for pay period including March 12. 0336
3. **TOTAL** (Sum lines A1 and A2) 0320

Mark "X" if None

2002	
Number	

B. Payroll before deductions (Exclude employer's cost for fringe benefits.)

1. Annual payroll
- a. Production, development, and exploration workers 0304
- b. All other employees 0305
- c. **TOTAL** (Sum lines B1a and B1b) 0300
2. First quarter payroll (January-March, 2002) 0310

Mark "X" if None

2002	
\$ Mil.	Thou.

C. Employer's cost for fringe benefits 0220

D. Number of annual hours worked by production, development, and exploration workers 0200

Mark "X" if None

2002	
Hours	Thou.



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7 LEASED EMPLOYMENT AND PAYROLL

A. Did this establishment have any full- or part-time leased employees whose payroll was filed under a leasing company's EIN?

Exclude:

- Temporary staffing obtained from a staffing service.
- Contractors, subcontractors, or independent contractors.
- Purchased or managed services, such as janitorial, guard, or landscape services.
- Professional or technical services purchased from another firm, such as software consulting, computer programming, engineering or accounting services.
- Employees already reported in **6**.

For further clarification, see information sheet(s).

0241 Yes - Go to line B

0242 No - Go to **10**

B. Number of leased employees

Mark "X" if None

2002	
Number	

- 1.** Number of leased production, development, and exploration workers for pay period including March 12 0375
- 2.** Number of other leased employees for pay period including March 12 0386
- 3. TOTAL** (Sum lines B1 and B2). 0370

C. Payroll for leased employees before deductions (Exclude employer's cost for fringe benefits.)

Mark "X" if None

2002	
\$ Mil.	Thou.

- 1.** Annual payroll
- a.** Leased production, development, and exploration workers 0354
- b.** All other leased employees 0355
- c. TOTAL** (Sum lines C1a and C1b) 0350
- 2.** First quarter payroll for leased employees (January-March, 2002) 0360
- D.** Employer's fringe benefits cost for leased employees. 0225

Mark "X" if None

2002	
Hours	
Thou.	

E. Number of annual hours worked by leased production, development, and exploration workers 0205

8 - 9 Not Applicable.

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If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

10 INVENTORIES

(Report inventories at cost or market using generally accepted accounting practices.)

Were inventories of this establishment subject to the Last-in, First-out (LIFO) method of valuation?

0481 Yes - Use the sum of the LIFO amount plus the LIFO reserve for completing lines A through E2. If you changed to LIFO for calendar year 2002, specify in the REMARKS section.

0482 No - Complete only lines A through D1. Line D1 should equal line C.

	Mark "X" if None	End of 2002			Mark "X" if None	End of 2001		
		\$ Bil.	Mil.	Thou.		\$ Bil.	Mil.	Thou.
A. Mined or quarried products	0461 <input type="checkbox"/>				0471 <input type="checkbox"/>			
B. Supplies, parts, fuels, etc.	0462 <input type="checkbox"/>				0472 <input type="checkbox"/>			
C. TOTAL (Sum lines A and B).	0460 <input type="checkbox"/>				0470 <input type="checkbox"/>			
D. Of the value on line C report:								
1. Amount not subject to LIFO costing	0464 <input type="checkbox"/>				0474 <input type="checkbox"/>			
2. Amount subject to LIFO costing (gross)	0465 <input type="checkbox"/>				0475 <input type="checkbox"/>			
E. Of the value on line D2 report:								
1. Amount of LIFO reserve	0466 <input type="checkbox"/>				0476 <input type="checkbox"/>			
2. Amount of LIFO value (net).	0467 <input type="checkbox"/>				0477 <input type="checkbox"/>			

11 Not Applicable.

12 ASSETS, CAPITAL EXPENDITURES, RETIREMENTS, AND DEPRECIATION

(See information sheet(s) on how to report leasing arrangements.)

	Mark "X" if None	2002	
		\$ Mil.	Thou.
A. Gross value of depreciable and/or depletable assets (acquisition cost) at the beginning of the year	0500 <input type="checkbox"/>		
B. Capital expenditures during the year			
1. Capital expenditures for new and used buildings, structures, machinery, and equipment (Exclude land.)	0520 <input type="checkbox"/>		
2. Capital expenditures for mineral exploration and development	0536 <input type="checkbox"/>		
3. Capital expenditures for mineral land and rights.	0537 <input type="checkbox"/>		
4. TOTAL (Sum lines B1 through B3)	0535 <input type="checkbox"/>		
C. Total retirements and disposition of depreciable and/or depletable assets (gross value of assets sold, retired, scrapped, destroyed, etc.) for the year	0510 <input type="checkbox"/>		
D. Gross value of depreciable and/or depletable assets at the end of the year (Sum lines A and B4 minus C)	0505 <input type="checkbox"/>		
E. Depreciation and/or depletion charges for the year	0540 <input type="checkbox"/>		

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13 RENTAL PAYMENTS

Mark "X" if None

2002

\$ Mil.	Thou.
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A. Rental payments for buildings and other structures *(Include land.)* 0551

B. Rental payments for machinery and equipment. 0552

C. TOTAL *(Sum lines A and B)*. 0550

\$ Mil.	Thou.

14 MINERAL PROPERTY EXPENSES

Mark "X" if None

2002

\$ Mil.	Thou.
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A. Lease rents for mineral properties. 0590

B. Current operating expenses for exploration, development, and mineral land and rights 0141

\$ Mil.	Thou.



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If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

15 SELECTED EXPENSES

A. Selected production related costs

(Include costs incurred in the mining process such as supplies, resales, contract work, fuels, and electricity.)

	Mark "X" if None	2002		
		\$ Bil.	Mil.	Thou.
1. Cost of supplies used, minerals received for preparation, and purchased machinery installed (Report detail in 16 .)	<input type="checkbox"/>			
2. Cost of products bought and sold as such without further processing (Report sales in 2 .)	<input type="checkbox"/>			
3. Cost of purchased fuels consumed for heat, power, or the generation of electricity (Report detail in 17 .)	<input type="checkbox"/>			
4. Cost of purchased electricity (Report quantity on line B1.)	<input type="checkbox"/>			
5. Cost of work done for you by others on your materials	<input type="checkbox"/>			
6. TOTAL (Sum lines A1 through A5).	<input type="checkbox"/>			

B. Quantity of Electricity

	Mark "X" if None	2002	
		Kilowatthours	
		Mil.	Thou.
1. Purchased electricity (Quantity comparable to cost reported on line A4.)	<input type="checkbox"/>		
2. Generated electricity (Gross less generating station use)	<input type="checkbox"/>		
3. Electricity sold or transferred to other establishments (Include on lines B1 or B2.)	<input type="checkbox"/>		

C. Other expenses paid by this establishment

Include:

- Expenses normally considered as non-production related costs purchased from other companies.

Exclude

- Cost of mining activities subcontracted to others and reported in **16**, line A5.
- Salaries paid to employees of this establishment for performing these services.

	Mark "X" if None	2002	
		\$ Mil.	Thou.
1. Purchased communication services (telephone, Internet, connectivity, online services, FAX, cellular phones, etc.)	<input type="checkbox"/>		
2. Purchased legal services	<input type="checkbox"/>		
3. Purchased accounting, auditing, and bookkeeping services	<input type="checkbox"/>		
4. Purchased advertising and promotional services (advertising, marketing, promotional, or public relations services)	<input type="checkbox"/>		
5. All other expenses paid by this establishment (Exclude labor costs, depreciation, rental payments, mineral property expenses, and any other expenses reported on this form. Also exclude loan interest, income taxes, and sales and excise taxes.)	<input type="checkbox"/>		
6. TOTAL (Sum lines C1 through C5)	<input type="checkbox"/>		

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16 A. DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES

Report:

Delivered cost of individual items listed below. Delivered cost is the amount paid or payable after discounts and including freight and other direct charges incurred by the establishment in acquiring the materials. The figures reported should represent the total purchase cost of supplies, minerals received for preparation, machinery installed, etc., actually used or processed during 2002. Include purchases, interplant transfers, and withdrawals from inventories. If the data are not available from your records, reasonable estimates are acceptable.

Estimated cost of ores received for treatment on a custom or toll basis, as if purchased.

Quantities in the unit of measure specified.

Treated products in **22**.

Minerals mined and also processed at this establishment in **16B** only.

Include:

Items listed below whether charged to current or capital accounts.

Cost of items for which less than \$25,000 worth was used in "All other supplies," line 11.

Ores received for treatment which were used in 2002.

Supplies purchased by this establishment for use by companies performing contract work at this establishment.

Exclude:

Associated labor costs of the kind reported in **6**, **7** and **15**, line A5.

Payments made for contract services performed, including payments for supplies and equipment furnished by the contractor incidental to this work.

Line No.	Minerals received and processed, machinery installed, and supplies used	Census material code	Unit of measure for quantities	Purchased from others, received from other establishments of this company, or received for custom mineral processing				
				Quantity	Cost, including delivery cost (freight-in)			
					\$ Bil.	Mil.	Thou.	
0634		0630	0636	0633	0631			
1	Ores and concentrates received for treatment . . .	212200 05 9	short tons (dry basis)					
2	Purchased machinery installed, including mobile loading, transportation, and other equipment installed at the operation (Include charges to both current and capital accounts.)	333000 07 3						
3	Parts and attachments (excluding those listed elsewhere) for mining, mineral preparation, construction, and conveying machinery and equipment	333000 09 9						
4	Supplies used Explosive materials (excluding ammonium nitrate) and blasting accessories	325920 13 0						
5	Ammonium nitrate	325920 05 6						
6	Industrial chemicals (chemical reagents, calcium chloride, fatty acids, etc.) excluding explosive materials and blasting accessories	325000 73 5						
7	Tires and inner tubes	326210 01 0						
8	Iron and steel castings	331510 03 2						

CONTINUE WITH **16** ON PAGE 9

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If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

16 A. DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued

Line No.	Minerals received and processed, machinery installed, and supplies used	Census material code	Unit of measure for quantities	Purchased from others, received from other establishments of this company, or received for custom mineral processing					
				Quantity	Cost, including delivery cost (freight-in)				
					\$ Bil.	Mil.	Thou.		
0634		0630	0636	0633	0631				
Supplies used - Continued									
9	Iron and steel forgings	332111 01 2							
10	Steel shapes and forms (excluding castings and forgings) such as casing, tubing, pipe, plates, sheets, piling, bars, wire, wire products, and structural shapes	331200 59 2							
11	All other supplies (Specify the three principal types of supplies included here) ↴	009700 98 0							
12	TOTAL (Should equal total reported in 15 , line A1)	771000 00 7							

16 B. QUANTITY OF MINERALS MINED AND PREPARED

Report below the quantity of each listed item mined and also treated at this establishment. Purchases or receipts of such items should be reported only in **16A**.
 Ores mined for sale as such and not treated at this establishment should only be reported in **22**.
 Report treated products in **22**.

Line No.	Item	Census material code	Unit of measure for quantities	Quantities mined and also processed at this establishment
0634		0630	0636	0633
1	Ores and concentrates mined and treated at the same establishment	212200 07 5	short tons (dry basis)	

17 FUELS USED

Line No.	Kind of fuel (Report total delivered cost, not cost per unit. Fuels received from other establishments of your company should be included at estimated market value.)	Census fuel code	Unit of measure for quantities	2002 consumption		
				Quantity	Cost, including delivery cost (freight-in)	
					\$ Mil.	Thou.
0643		0640	0645	0642	0641	
1	Coal (bituminous, subbituminous, lignite, and anthracite)	212110 03 5	short tons			
2	Fuel oil Distillate (light) grade numbers 1, 2, 4, and light diesel fuel	324110 17 0	↑ barrels			
3	Residual (heavy) grade numbers 5 and 6 and heavy diesel fuel	324110 19 6	↓			
4	Gas (natural, manufactured, and mixed)	211110 15 0	mil ft ³			

CONTINUE WITH **17** ON PAGE 10

CONTINUE ON PAGE 10

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17 FUELS USED - Continued							
Line No.	Kind of fuel (Report total delivered cost, not cost per unit. Fuels received from other establishments of your company should be included at estimated market value.)	Census fuel code	Unit of measure for quantities	2002 consumption			
				Quantity	Cost, including delivery cost (freight-in)		Thou.
					\$ Mil.		
				0642	0641		
0643		0640	0645				
5	Gasoline	324110 15 4	1000 gal				
6	Other fuels (liquefied petroleum gas, coke, wood, and other) (Specify.) ↘	009600 18 0					
7	TOTAL (Should equal total reported in 15, line A3)	007720 00 6					

18 TYPE OF OPERATION
(Include production, development, and exploration operations. If mine is under development or exploration, or maintenance is being performed, indicate method most likely to be used when production is started or resumed.)
(Mark "X" ALL that apply.)

Mining methods

0620 440 Open-pit and/or dredge

444 Underground

450 Other, such as in situ solution, etc.

432 No mine or abandoned mine

Treatment methods

474 Concentration or other treatment methods

468 No treatment plant

19-21 Not Applicable.

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

The U.S. Geological Survey, U.S. Department of the Interior, generally collects detailed figures on the mineral products listed here. This item provides only summary figures which will serve to relate the statistics compiled from the Economic Census of Mineral Industries to the statistics compiled by the U.S. Geological Survey.

Report:

Net total values f.o.b. mine or plant after discounts and allowances and exclusive of freight charges and excise taxes.

Long tons equal to 2,240 pounds.

Short tons equal to 2,000 pounds.

Include:

All products produced or physically shipped from this establishment in 2002.

Material withdrawn from stockpiles.

Products shipped on consignment.

Concentrated ores, metals, and agglomerates from ores mined at this establishment, purchased, or received from other establishments of your company.

Quantity and estimated value of products treated on a custom or toll basis.

CONTINUE WITH 22 ON PAGE 11

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Products transferred to other establishments of your company for treatment or other use.
 Bonuses or other credits for metal contained, as well as royalties.
 Quantity of production of crude ore mined for treatment at this establishment.

Exclude:

From crude ore shipped any material mined and also treated at this establishment. Report these on the appropriate line for the treated or concentrated product.
 Penalties for impurities.

Line No.	Description	Census product code	Unit of measure for quantities	Quantity of production	Shipments and interplant transfers				
					Quantity	Value, f.o.b. establishment			
						\$ Bil.	Mil.	Thou.	
0734		0730	0736	0733	0732	0731			
1	Bauxite	212299 1100 9	long tons (dry basis)						
2	Ferroalloy ores and concentrates (excluding vanadium), including manganese and manganiferous ores containing 5 percent or more manganese Crude ferroalloy ores: manganese and manganiferous ores, molybdenum, chromium, cobalt, columbium, tantalum, and tungsten (excluding nickel)	212299 3111 4	short tons (dry basis)						
3	Molybdenum concentrates	212299 3121 3	1000 lb (contained)						
4	Other ferroalloy concentrates: manganese, chromium, cobalt, columbium, tantalum, and tungsten (excluding nickel)	212299 3131 2	short tons (dry basis)						
5	Miscellaneous metal ores and concentrates, such as mercury, mercury metal, titanium (ilmenite and rutile), antimony, beryllium, rare-earth metals, and tin (<i>Specify kind and unit of measure below.</i>) ↴	212299 5100 5	To be specified						
6	All other products made in this establishment - <i>Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the "listed products and services". For all remaining products, write "Other" and report a single total value.</i>	18							
7		26							
8		34							

21205117

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued								
Line No.	Description	Census product code	Unit of measure for quantities	Shipments and interplant transfers				
				Quantity	Value, f.o.b. establishment			
					\$ Bil.	Mil.	Thou.	
0734		0730	0736	0732	0731			
9	Receipts for work or services performed for other establishments (Exclude receipts for concentration of ores on a custom or toll basis.)	213114 0YWT 8						
10	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 15, line A2.)	000999 8900 6						
11	TOTAL (Should equal 4, line A)	770000 0000 8						

23-28 Not Applicable.

29 OPERATIONAL STATUS

Activity that best describes this establishment's status at the end of 2002
(Mark "X" only ONE box.)

0011 In operation 0013 Temporarily or seasonally inactive

0012 Under construction, development, or exploration 0014 Ceased operation - Give date at right →

0015 Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴

0018	Month	Day	Year

0060 Name of new owner or operator 0061 Employer Identification Number

Enter EIN of new owner (9 digits) →

0062 Mailing address (number and street, P.O. Box, etc.)

0063 City, town, village, etc. 0064 State 0065 ZIP Code

Remarks (Please use this space for any explanations that may be essential in understanding your reported data.)

30 CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.

Is the time period covered by this report a calendar year?

0078 Yes 0079 No - Enter time period covered →

FROM	Month	Year	TO	Month	Year
0070			0071		

0072 Name of person to contact regarding this report 0073 Title

Telephone	Area code	Number	Extension	Fax	Area code	Number
0074				0075		

0076 Internet e-mail address Date completed 0069

Month	Day	Year

Thank you for completing your 2002 Economic Census form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.

21205125