

## SPECIFIC INSTRUCTIONS



G01

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY  
986 NATIONAL CENTER  
RESTON, VIRGINIA 20192

### INDIVIDUAL COMPANY DATA - PROPRIETARY

Unless authorization is granted in the section above the signature, the data furnished in this report will be treated in confidence by the Department of the Interior, except that they may be disclosed to Federal defense agencies, or to the Congress upon official request for appropriate purposes. Unless objection is made in writing to the USGS, the information furnished in this report may be disclosed to the respondent's State Geological Survey (or similar State Agency) if the State has appropriate safeguards to prevent disclosing company proprietary data.

### IRON AND STEEL SCRAP AND PIG IRON

#### SECTIONS 1 and 2.

- Column 1.** Self-explanatory.
- Column 2.** Report adjustments necessary to correct ending inventory shown for the preceding report period. If adjustment is significant, explain under Remarks. Show negative figures in parentheses.
- Column 3.** Report all grades of iron and steel scrap, direct-reduced iron, and pig iron owned by the reporting establishment at the beginning of the report period, regardless of its location within the United States. Include iron and steel scrap, direct-reduced iron, and pig iron in process, on consignment to others, and in transit to you within the United States. *Exclude* iron and steel scrap, direct-reduced iron, and pig iron sold but awaiting shipment, and that which is on consignment to you from others.
- Entries in COLUMN 3 plus or minus inventory adjustments (COLUMN 2) should equal ending stocks (COLUMN 10) in the preceding report period.
- Columns 4 and 5.** Report iron and steel scrap, direct-reduced iron, and pig iron received by the reporting establishment during the report period; *include* iron and steel scrap, direct-reduced iron, and pig iron coming from scrap processors, other companies, and also from other establishments of your company.
- Columns 6 and 7.** Report production of iron and steel scrap (plant generated), direct-reduced iron, pig iron, and castings in the reporting establishment during the report period. Insofar as possible, production scrap and internally generated obsolete scrap should be reported at the time of generation, regardless of when it is used, shipped to other plants, or sold. Ingot mold and stool scrap should be reported at the time the ingot molds and stools are scrapped.
- Column 8.** Report iron and steel scrap, direct-reduced iron, and pig iron used in the reporting establishment during the report period.
- Column 9.** Enter the quantities of iron and steel scrap, direct-reduced iron, and pig iron sold or transferred by the reporting establishment during the report period. Include iron and steel scrap, direct-reduced iron, and pig iron going to other companies and to other establishments of your company.
- Column 10.** Report all grades of iron and steel scrap, direct-reduced iron, and pig iron owned by the reporting establishment at the end of the report period, regardless of its location within the United States. Include iron and steel scrap, direct-reduced iron, and pig iron in process on consignment to others, and in transit to you within the United States. *Exclude* iron and steel scrap, direct-reduced iron, and pig iron sold but awaiting shipment, and that which is on consignment to you from others.

#### SECTION 3.

For each type of furnace, report the total quantity of iron and steel scrap (all grades), direct-reduced iron, and pig iron consumed during the report period.

Scrap that is premelted in one type of furnace (other than a blast furnace), before being added to a basic oxygen furnace, should be reported as being consumed in the basic oxygen furnace only. Foundry metal that is melted in one type of furnace and held for casting in another type of furnace should be reported as being consumed in the first furnace only.

Induction furnaces using an electric current to melt the charge are considered to be electric furnaces and should be reported as such for the purpose of this report.

For IRON AND STEEL SCRAP, the sum of the total scrap (LINE CODE 405) entered in COLUMNS 2 through 7 should equal the total scrap (LINE CODE 299) in COLUMN 8, SECTION 1.

For DIRECT-REDUCED IRON, the sum of the entries in COLUMNS 2 through 7 should equal the entry (LINE CODE 302) in COLUMN 8, SECTION 2.

For PIG IRON, the sum of the entries in COLUMNS 3 through 9 should equal the entry (LINE CODE 301) in SECTION 2, COLUMN 8.

(Please correct if name or address has changed.)

FACSIMILE NUMBER  
1-800-543-0661

Public reporting burden for this voluntary collection of information is estimated to average 30 MINUTES per response. A Federal agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. Comments regarding this collection of information should be directed to: U.S. Geological Survey, Statistics and Information Systems Section, 988 National Center, Reston, VA 20192. **Please do not mail survey forms to this address.**

### GENERAL INSTRUCTIONS

Collection of nonfuel minerals information is authorized by Public Law 96-479 and the Defense Production Act. This information is used to support executive policy decisions pertaining to emergency preparedness, national defense, and analyses for minerals legislation and industrial trends. The USGS relies on your voluntary and timely response to assure that its information is complete and accurate.

Please complete and return a separate form **BY THE 15TH OF THE MONTH** following the reporting period in the enclosed envelope or fax to the above toll-free number. Complete a separate form for each mineral establishment that was active during the reporting period. A mineral establishment is defined as a single physical location where mineral operations are conducted; for example, a mine only, a mine and preparation plant, or a preparation plant only. If you do not have exact data, please enter your best estimates and mark with an /e. Use zero (0) when appropriate. Do not report decimals or fractions. Round to the nearest whole number. If you have nothing to report, please sign, and return the form. Please do not make entries in shaded areas. Please use the space for "Remarks" to provide any specific information that will help us in the use or interpretation of the data. Any statement on the effect of changes in economic conditions upon the reporting establishment will be useful. Additional forms are available upon request.

Report all quantities as gross weight in short tons (not weight of contained iron). In describing products or materials, do not use brand or trade names.

If you have any questions concerning completion of this form, please contact the Mineral Commodities Data Unit, U.S. Geological Survey, 985 National Center, Reston, VA 20192, Telephone (703) 648-7960.

### DEFINITIONS

#### SCRAP

Includes the various grades of purchased iron and steel scrap and home, plant, or recycled scrap such as runners, spills, risers, gates, skulls, butts, croppings, borings, and turnings, defective, discarded, or obsolete products, etc. Turnings, borings and grindings may be in compacted or briquetted form. Does not include rerolling rails, mill or hammer scale, or cinder. Under carbon steel, use nearest appropriate grade classification, where possible, rather than the "all other" classification.

#### DIRECT-REDUCED OR PREREDUCED IRON

Includes iron materials such as ores, concentrates, and flue ducts, deoxidized by prereduction or direct reduction methods to give a product containing 75 percent or more iron. The metallized material may be in the form of sponge iron, pellets, briquettes, etc. Does not include compacted or briquetted turnings, borings, grindings, or ferroalloys.

#### PIG IRON

A blast furnace product that includes both molten or hot metal and cold pig iron, but excludes ferroalloys.

<b>IRON AND STEEL SCRAP, PIG IRON, AND DIRECT-REDUCED IRON</b>	<b>WEIGHT UNIT</b> [Mark (X) one box]	<b>PRODUCTS PRODUCED</b> [Mark (X) one box]
→ Include data on scrap at blast furnaces as well as steel works and foundries. Report all quantities as gross weight in short tons. (Please see specific instructions on reverse side.)	2 <input type="checkbox"/> Pounds 3 <input type="checkbox"/> Short tons 4 <input type="checkbox"/> Long tons	1 <input type="checkbox"/> Raw steel 2 <input type="checkbox"/> Steel castings 3 <input type="checkbox"/> Iron castings 4 <input type="checkbox"/> Other (please specify)

**SECTION 1. Stocks, receipts, production, and disposition of iron and steel scrap.**

Item (1)	Code	Physical inventory adjustment only (2)	Beginning stocks (3)	Receipts of scrap		Production of home scrap		Consumption of both purchased and home scrap (include recirculating scrap) (8)	Shipments of scrap (9)	Ending stocks (Entry should equal COLS. 3 + 4 + 5 + 6 + 7 - 8 - 9) (10)
				From brokers and dealers and other outside sources (4)	From other own company plants (5)	Recirculating scrap resulting from current operations (6)	Obsolete scrap (include ingot molds, stools, and scrap from old equipment, buildings, etc.) (7)			
Carbon steel scrap: Low phosphorus plate and punchings.....	201									
Cut structural and plate	202									
No. 1 heavy melting steel.....	203									
No. 2 heavy melting steel.....	204									
No. 1 and electric furnace bundles.....	205									
No. 2 and all other bundles.....	206									
Electric furnace 1 foot and under (not bundles)	207									
Railroad rails.....	208									
Turnings and borings...	209									
Slag scrap (Fe content ___ %),...	210									
Shredded or fragmentized.....	211									
No. 1 busheling.....	212									
Steel can scrap (post consumer).....	213									
All other carbon steel scrap.....	219									
Stainless steel scrap.....	221									
Alloy steel (except stainless).....	222									
Ingot mold and stool scrap.....	225									
Machinery and cupola cast iron.....	226									
Cast iron borings.....	227									
Motor blocks.....	228									
Other iron scrap.....	235									
Other mixed scrap.....	236									
<b>TOTAL scrap.....</b>	<b>299</b>									

**SECTION 2. Stocks, receipts, production, and disposition of pig iron, direct-reduced or prereduced iron, castings, raw steel, and iron ore.**

Item (1)	Code	Physical inventory adjustment (2)	Beginning stocks (3)	Receipts (4)	Production (6)	Consumption (8)	Shipments (9)	Ending stocks (Entry should equal COLS. 3+4+6-8-9) (10)
Pig iron (cold or hot metal).....	301							
Direct-reduced or prereduced iron.....	302							
Ductile iron castings.....	???							
Gray iron castings.....	???							
Malleable iron castings.....	???							
Steel castings.....	???							
Steel investment castings.....	???							
Raw steel.....	???							
Iron ore.....	???							

**SECTION 3. Consumption by furnace or by method used. (Include both home and purchased scrap.)**

Item (1)	Code	Blast furnace (2)	Basic oxygen process (3)	Open hearth furnace (4)	Electric furnace (5)	Cupola furnace (6)	Other (including air furnace) (7)	--- DIRECT CASTING ---	
								Ingot molds and stools (8)	Other castings (9)
Steel scrap -- all grades.....	401								
Iron scrap -- all grades.....	402								
Mixed iron and steel scrap not included above...	403								
<b>TOTAL scrap.....</b>	<b>405</b>								
Iron ore.....	???								
Direct-reduced or prereduced iron.....	406								
Pig iron (cold or hot metal).....	408								

**Remarks:** \_\_\_\_\_

**IF MORE THAN ONE PLANT IS COVERED BY THIS REPORT, PLEASE ENTER NUMBER OF PLANTS HERE:**

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Name of person to be contacted regarding this report			Tel. area code	No.	Ext.
Address	No.	Street	City	State	ZIP Code
May tabulations be published which could indirectly reveal the data reported above? <input type="checkbox"/> (1) Yes <input type="checkbox"/> (2) No					
Signature			Title	Date	