

**INSTRUCTIONS**

**SCOPE**

If you are a secondary smelter processing scrap to produce secondary metals for shipment to consumers, report in SECTIONS 1, 2, and 3 of this questionnaire.

If you are a lead consumer only, report in SECTIONS 3 and 4.

If you are a secondary smelter and consume all the secondary metal produced, report in all sections. If you consume only a part of the secondary metal produced and ship the balance to another consumer, complete SECTIONS 1, 2, and 3 for the quantity shipped and all Sections for the amount you consumed.

If you are a remelter of lead-base and/or tin-base scrap and use all or part of the remelted scrap to produce items such as those listed in SECTION 4, report in all Sections for the quantity so consumed.

However, if you are strictly a remelter of lead-base and/or tin-base scrap and ship all your cast scrap metal to another plant or plants for further processing or refining to produce a useable product, return this blank form advising of your operations and ask that your name be removed from our mailing list for this survey.

**DEFINITIONS**

"Primary" metals are metals produced from ore.

"Scrap" metals are used, worn out articles, such as battery plates, lithographers' plates, used pipes and traps, old cable covering, etc., all in scrap form.

"Secondary" metals are metals or alloys recovered from scrap by remelting, sweating, smelting, etc. Report as "Secondary" metal only that which can be used to make an end item; do not include any metal that needs any refining or other processing.

**SECTION 1. Stocks, receipts, and disposition of scrap in scrap form.**

**Column 1.** *Type of scrap.* Report purchased scrap only; do not include any plant generated scrap. In LINE 108, report only purchased drosses and residues; do not include any generated in this plant.

**Column 4.** *Physical inventory adjustment only.* 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 5.** *Beginning stocks.* Report all quantities of lead-bearing scrap you have on hand at this establishment at the beginning of the report period, regardless of ownership. Do not include scrap in process.

Entries in COLUMN 5 plus or minus inventory adjustment (COLUMN 4) should equal ending stocks (COLUMN 12) of the preceding report.

**Column 9.** *Consumption.* Report quantities of scrap used in production of refinery shapes (pigs, slabs, cakes, etc.) and that used directly for end products such as weights, ballast, bar solder, or calking lead.

**Column 10.** *Shipments.* Report the quantities of lead-scrap shipped by you in form received.

**Column 12.** *Ending stocks.* Report the quantities of lead-bearing scrap you have on hand at this establishment at the end of the report period, regardless of ownership. Do not include scrap in process.

**SECTION 2. Production of secondary metals.**

Show your own recovery of secondary metals from scrap consumed as shown in SECTION 1, COLUMN 9. The secondary metal content, COLUMNS 3 through 6, should equal the weight of the metal produced, COLUMN 2; or, if primary metal was added, COLUMNS 3 through 10 should equal COLUMN 2. Do not enter in this section any secondary metal received from other sources but only that you produced from scrap metal. Also specify the weight of primary metals added to the melt.

**SECTION 3. Stocks, receipts, and disposition of primary and secondary lead.**

Soft lead should include primary soft lead, secondary lead, refined soft lead, and remelt soft lead. Antimonial lead should include both primary and secondary metal lead content. For alloys, enter the lead content of pigged solder, babbitt, type metals, etc., and on the last line the lead content of copper-base scrap. Do not include in this section any fabricated or semifabricated products such as sheet lead pipes, linked ingot billets or slugs for ammunition, disks or blanks for collapsible tubes, oxides for any purpose, copper-base ingot, etc. The table should balance, i.e. COLUMNS 5 plus 6 plus 7 minus 9 minus 10 should equal COLUMN 12.

**SECTION 4. Consumption of lead by class of product and End-use Industry.**

Show the weight of **lead consumed** in the production of each item as in:

*Ammunition* - the production of billets or wire, for making shot and bullets. Do not include purchased billets, etc. in this report.

*Storage battery parts* - the production of battery grids, posts or other battery parts made from antimonial lead or other lead alloys. Do not show production of antimonial lead or other "battery metal." If you purchase both grids and oxides for battery manufacture, do not report either.

*Battery oxides* - the production of oxides for batteries, but if oxides are purchased, do not show on this report.

*Terne metal* - the production of terne **metal** for making terne plate.

Totals of COLUMNS 201, 202, 203, and 204 should equal LINES 201, 202, 203, and 204, respectively in COLUMN 9, "Consumption" of SECTION 3.

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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.

**LEAD  
SECONDARY SMELTER AND CONSUMER REPORT**

(Please correct if name or address has changed.)

**FACSIMILE NUMBER  
1-800-543-0661**

Paperwork Reduction Act Notice: 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, gs-info\_collections@usgs.gov. **Please do not mail survey forms to this address.**

Collection of nonfuel minerals information is authorized by 30 U.S.C. 1601 et seq. 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 return this form in the enclosed envelope or fax to the above toll-free number **BY THE 15TH OF THE MONTH** following the report period. Complete a separate form for each establishment that was active during the reporting period. In completing this form, reasonable estimates should be used wherever exact data are not available. Use zero (0) when appropriate. Do not report decimals or fractions. Round to the nearest ton. In describing products or materials, do not use brand or trade names. Please use the space for Remarks to provide any specific information that will help us in the use or interpretation of the data. Do not make entries in shaded areas. Additional forms are available upon request.

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.

**SECTION 1. Stocks, receipts, and disposition of scrap in scrap form.**

Type of scrap (1)	Code	Report basis (2)	Weight unit (3)	Physical inventory adjustment only (4)	Beginning stocks (5)	Receipts (6)	(7-8)	Consumption (9)	Shipments (10)	(11)	Ending stocks (12)	
Lead-base:												
Battery plates.....	101	GROSS WEIGHT (1)	SHORT TONS (3)									
Solder.....	102											
Bearing metal or babbitt.....	103											
Soft lead.....	104											
Antimonial lead.....	105											
Cable covering.....	106											
Type metals.....	107											
Purchased drosses and residues.....	108											
Other (please specify)												
	109											
<b>TOTAL lead-base.....</b>	<b>111</b>											
Tin-base:												
Tin pipe, etc.....	112											
Tin babbitt.....	113											
Pewter.....	114											
Purchased drosses and residues.....	115											
Other (please specify)												
	116											
<b>TOTAL tin-base.....</b>	<b>118</b>											
<b>GRAND TOTAL.....</b>	<b>119</b>											

OVER

**SECTION 2. Production of secondary metals. (report in short tons)**

Type of metal (1)	Code	Production of secondary metals (recovered from COLUMN 9, SECTION 1, plus primary added) Contained weight (2)	SECONDARY METAL CONTENT				PRIMARY METALS ADDED			
			Lead (3)	Tin (4)	Antimony (5)	Other (6)	Lead (7)	Tin (8)	Antimony (9)	Other (10)
Lead-base:										
Refined lead.....	401									
Remelt lead.....	402									
Antimonial lead.....	403									
Cable lead.....	404									
Lead-base babbitt.....	405									
Solder.....	406									
Type metals.....	407									
In copper-base alloy.....	408									
Other (please specify)	409									
<b>TOTAL lead-base.....</b>	<b>410</b>									
Tin-base:										
Refined tin.....	411									
Remelt tin.....	412									
Tin-base babbitt.....	413									
Pewter.....	414									
In copper-base alloy.....	415									
Other (please specify)	416									
<b>TOTAL tin-base.....</b>	<b>417</b>									
<b>GRAND TOTAL.....</b>	<b>499</b>									

**SECTION 3. Stocks, receipts, and disposition of primary and secondary lead.**

Lead in refinery shapes. (include pigs, slabs, buttons, cakes, remelt, and in copper-base scrap) SHORT TONS OF LEAD CONTENT

Type (1)	Code (2)	Report basis (3)	Physical inventory adjustment only (4)	Beginning stocks (5)	Receipts (6)	Production of secondary lead in refinery shapes and finished products (7)	Consumption (8)	Shipments (10)	Ending stocks (12)
Soft lead.....	201	Combined weight (2)							
Lead in antimonial lead.....	202								
Lead in alloys.....	203								
Lead in copper-base scrap.....	204								
<b>TOTAL.....</b>	<b>299</b>								

**SECTION 4. Consumption of lead by class of product and end-use industry. (short tons of lead content)**

Intermediate products (1)	SIC Code	End-use industries (2)	ADP Code	Soft lead (201)	Lead in antimonial lead (202)	Lead in alloys (203)	Lead in copper-base scrap (204)
<b>METAL PRODUCTS:</b>							
Ammunition	3482	Shot.....	301				
	3482	Bullets.....	302				
Bearing metals	35	Machinery except electrical.....	304				
	36	Electrical and electronic equipment...	305				
	371	Motor vehicles and equipment.....	306				
	3701 <sup>1</sup>	Other transportation equipment.....	307				

**SECTION 4. Consumption of lead by class of product and end-use industry. (short tons of lead content) (continued)**

Intermediate products (1)	SIC Code	End-use industries (2)	ADP Code	Soft lead (201)	Lead in antimonial lead (202)	Lead in alloys (203)	Lead in copper-base scrap (204)
Brass and bronze ingots, billets	3351	Brass and bronze.....	309				
Cable covering	361	Power cable.....	310				
	3661	Communication cable.....	311				
Calking lead	15	Building construction.....	313				
Casting metals (die, permanent mold, and slush-weights and ballast)	36	Electrical machinery and equipment...	314				
	371	Motor vehicles and equipment.....	315				
	3701 <sup>1</sup>	Other transportation equipment.....	316				
	3443	Nuclear radiation shielding.....	317				
Pipes, traps and other extruded products	15	Building construction.....	319				
	3443	Storage tanks, process vessels, etc..	320				
Sheet lead	15	Building construction.....	322				
	3443	Storage tanks, process vessels, etc..	323				
	3693	Medical radiation shielding.....	324				
Solder	15	Building construction.....	326				
	341	Metal cans and shipping containers...	327				
	367	Electronic components and accessories.....	328				
	3601 <sup>1</sup>	Other electrical machinery and equipment.....	329				
	371	Motor vehicles and equipment.....	330				
Storage battery grids, posts, etc. metal	36911	Storage batteries - SLI automotive....	332				
	36912	Storage batteries - industrial and traction.....	333				
Storage battery oxides	36911	Storage batteries - SLI automotive....	335				
	36912	Storage batteries - industrial and traction.....	336				
Terne metal	371	Motor vehicles and equipment.....	338				
Type metal	27	Printing and allied industries.....	339				
Other metal	34 <sup>2</sup>	Other metal products.....	340				
<b>PIGMENTS:</b>	285	Paints.....	342				
Red lead and litharge (for other than storage batteries)	32	Glass and ceramic products.....	343				
	281	Color.....	344				
	28	Other pigments.....	345				
<b>CHEMICALS:</b> Lead alkyls	2911	Petroleum refining.....	347				
<b>MISCELLANEOUS USES:</b> (please specify) <sup>3</sup>			350				
			350				
<b>TOTAL.....</b>			<b>399</b>				

<sup>1/</sup> This is not an SIC product class-01 is added to a 2-digit code to report other consumption.

<sup>2/</sup> Includes collapsible tubes, foil, annealing, galvanizing, plating and fishing weights.

<sup>3/</sup> Includes powder, rubber and plastic additives, anodes, steel products, etc.

**Remarks:**

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?  (1) Yes  (2) No

Signature \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_