

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.



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

INDIVIDUAL COMPANY DATA - PROPRIETARY

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.

**LEAD
SECONDARY SMELTER AND CONSUMER REPORT**

(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.**

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 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 | | | | | | | | | | | |
| TOTAL lead-base..... | 111 | | | | | | | | | | | |
| Tin-base: | | | | | | | | | | | | |
| Tin pipe, etc..... | 112 | | | | | | | | | | | |
| Tin babbitt..... | 113 | | | | | | | | | | | |
| Pewter..... | 114 | | | | | | | | | | | |
| Purchased drosses and residues..... | 115 | | | | | | | | | | | |
| Other (please specify) | | | | | | | | | | | | |
| | 116 | | | | | | | | | | | |
| TOTAL tin-base..... | 118 | | | | | | | | | | | |
| GRAND TOTAL..... | 119 | | | | | | | | | | | |

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 | | | | | | | | | |
| TOTAL lead-base..... | 410 | | | | | | | | | |
| Tin-base: | | | | | | | | | | |
| Refined tin..... | 411 | | | | | | | | | |
| Remelt tin..... | 412 | | | | | | | | | |
| Tin-base babbitt..... | 413 | | | | | | | | | |
| Pewter..... | 414 | | | | | | | | | |
| In copper-base alloy..... | 415 | | | | | | | | | |
| Other (please specify) | 416 | | | | | | | | | |
| TOTAL tin-base..... | 417 | | | | | | | | | |
| GRAND TOTAL..... | 499 | | | | | | | | | |

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 | | | | | | | | |
| TOTAL..... | 299 | | | | | | | | |

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) |
|---------------------------|-------------------|--|----------|-----------------|-------------------------------|----------------------|---------------------------------|
| METAL PRODUCTS: | | | | | | | |
| 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 ¹ | 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 ¹ | 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 ¹ | 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 ² | Other metal products..... | 340 | | | | |
| PIGMENTS: | 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 | | | | |
| CHEMICALS: Lead alkyls | 2911 | Petroleum refining..... | 347 | | | | |
| MISCELLANEOUS USES: (please specify) ³ | | | 350 | | | | |
| | | | 350 | | | | |
| TOTAL..... | | | 399 | | | | |

^{1/} This is not an SIC product class-01 is added to a 2-digit code to report other consumption.

^{2/} Includes collapsible tubes, foil, annealing, galvanizing, plating and fishing weights.

^{3/} 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 _____