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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.

REFINERY PRODUCTION OF PRECIOUS METALS

 (Please correct if name or address has changed.)

FACSIMILE NUMBER
 1-800-543-0661

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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.

GENERAL INSTRUCTIONS

Please return this form in the enclosed envelope or fax to the above toll-free number as soon as possible. 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 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.

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.

SPECIFIC INSTRUCTIONS

This survey is intended to account for the stocks and production of precious metals that have been refined to at least commercial grade and are in unwrought refinery forms -- bar, powder, shot, grain, etc. Limiting the survey specifically to such unwrought products ensures that a given unit of precious metal is not counted more than once as it moves from ore or scrap to refined metal. Do NOT report the upgrading of commercial-grade metal.

1. Stocks and production of precious metals. (Report weights in troy ounces.)

Precious metal (1)	Commercial grade (2)	Code	TROY OUNCES			Notes (Continue on back of page, if necessary.) (6)
			Production primary ¹ (3)	Production secondary ² (4)	Year-end stocks ³ (5)	
Gold.....	99.5%	101				
Silver.....	99.9%	102				
Platinum.....	99.95%	103				
Palladium.....	99.9%	104				
Rhodium.....	99.9%	105				
Iridium.....	99.9%	106				
Ruthenium.....	99.9%	107				
Osmium.....	99.9%	108				

¹ From ores, concentrates, and dore of foreign and domestic origin.
² From scrap, waste, sweepings, residues, etc. of foreign and domestic origin.
³ Stocks consist of metal in refined forms only (bar, powder, shot, grain, etc.) stored at your refinery(ies) at the end of the calendar year, regardless of ownership.

2. Precious-metals bearing materials assigned to this refinery, by type. (troy ounces, metal content)

Type	Code	Gold	Silver	Platinum	Palladium	Rhodium	Iridium	Ruthenium	Osmium
Dore and concentrates.....	201								
Waste and scrap.....	202								

3. Shipments of precious metals to consuming industries in the United States, by end use. (troy ounces)
(Please report shipments on the basis of the industry to which the metal was shipped.)

End use	Code	Gold	Silver	Platinum	Palladium	Rhodium	Iridium	Ruthenium	Osmium
Banking.....	309								
Catalyst:									
Automotive.....	301								
Chemical.....	302								
Petroleum.....	303								
Dental and medical.....	308								
Electrical and electronics.....	305								
Glass.....	304								
Jewelry and decorative.....	306								
Photography.....	307								
Silverware.....	310								
Other (please specify)									

TOTAL.....	315								

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		
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