

Remarks:



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY  
986 NATIONAL CENTER  
RESTON, VIRGINIA 20192  
**INDUSTRIAL SAND AND GRAVEL  
SOLD OR USED**

**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.

(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 90 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 complete and return a separate form for each operation that was active during the calendar year in the enclosed envelope or fax to the above toll-free number. Use zero (0) when appropriate. Please do not make entries in shaded areas. Additional forms are available upon request.

A single operation consists of one extraction area, or several extraction areas that are adjacent to each other within a county. Boulders and/or cobbles from the mining of sand and gravel that were crushed, and sized should be reported as sand and gravel, not crushed stone. In completing this form, reasonable estimates should be used wherever exact data are not available. If you do not have production to report, please complete Items 1 and 2, sign, and return this form.

**NOTE:** Federal, State, or local agencies that operated a pit, a pit and plant for processed material, or dredge, with their own crew and/or equipment, should also complete this form. Give market value of material produced, including royalties.

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.

**1. Name and location of operation.**

Name \_\_\_\_\_ Nearest town \_\_\_\_\_

State \_\_\_\_\_ County \_\_\_\_\_ Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

If operating company is a subsidiary, please name controlling company \_\_\_\_\_

Please indicate number of pits or extraction areas covered in this report \_\_\_\_\_

**2. Status during year.**

(1) Active From \_\_\_\_\_ To \_\_\_\_\_  (2) Shipping from stockpile only

(3) Idle entire year  (4) Went out of business - Date \_\_\_\_\_

If ownership changed during year, give date of change \_\_\_\_\_  (5) Purchased  (6) Sold

Name and address of other party to or from whom transferred \_\_\_\_\_

**3. Mining method. (Check one or more)**  (1) Open pit  (2) Underground mine  (3) Dredge

**4. Type of processing plant.**  (1) Stationary  (2) Portable  (3) Both  (4) None

Rated capacity of processing plant \_\_\_\_\_ tons/hour.

Number of days processing plant operated during year \_\_\_\_\_ days.

**FOR BUREAU USE**  
| | | | | | | |

**5. If production is reported in cubic yards, indicate pounds per cubic yard:** Sand \_\_\_\_\_ Gravel \_\_\_\_\_

**6. Did your operation produce any CONSTRUCTION SAND AND GRAVEL such as concrete aggregate, road material, etc.?**

(1) Yes  (2) No

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 on this form?  
Value data  (1) Yes  (2) No Other (including quantity) data  (1) Yes  (2) No

Signature	Title	Date
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**7. Use, quantity, and value of industrial sand and gravel.**

Use (1)	Code	Quantity		Value (f.o.b. plant or pit) (4)
		(Short tons (2))	OR Cubic yards (3)	
<b>SAND:</b>				
<b>Glass making</b>				\$
Containers.....	601			
Flat (plate and window).....	602			
Specialty.....	603			
Fiberglass (unground).....	604			
Fiberglass (ground).....	605			
<b>Foundry</b>				
Molding and core.....	610			
Molding and core facings (ground).....	611			
Refractory (silica brick, ramming mixtures, and furnace linings).....	612			
<b>Metallurgical</b>				
Silicon carbide.....	620			
Flux for metal smelting.....	621			
<b>Abrasives</b>				
Blasting.....	630			
Scouring cleansers (ground).....	631			
Sawing and sanding.....	632			
<b>Chemicals (ground and unground)</b>				
Sodium silicate, silicon tetrachloride, silicones, silica gel, etc.....	640			
<b>Ground fillers</b>				
Rubber, paints, putty, plastics, etc.....	650			
<b>Whole grain fillers/building products</b>				
Epoxy, flooring, grouts, paints, stucco, no-skid, etc.....	651			
<b>Ceramic (ground)</b>				
Pottery, bricks, earthenware, tile, whiteware, sanitaryware, enamel, glazes, porcelain, etc.....	660			
<b>Filtration</b>				
Water (municipal, county, local, etc.).....	670			
Swimming pool, other.....	681			
<b>Petroleum industry</b>				
Hydraulic fracturing.....	674			
Well packing and cementing.....	682			
<b>Recreational</b>				
Golf course.....	683			
Baseball, volleyball, play sand, beaches, etc.....	684			
Traction (engine).....	671			
Roofing granules and fillers.....	673			
Other ground silica <i>(please specify)</i> _____	685			
Other whole grain <i>(please specify)</i> _____	686			
<b>TOTAL SAND</b> .....	699			
<b>GRAVEL:</b>				
Silicon, ferrosilicon.....	741			
Filtration.....	742			
Non-metallurgical flux.....	750			
Other <i>(please specify)</i> _____	744			
<b>TOTAL GRAVEL</b> .....	799			

**8. Transportation of industrial sand and gravel to first point of sale or use, by method.**

Method of transportation (1)	Code	Quantity		Approximate distance in miles to principal site of sale or use (4)
		(Short tons (2))	OR Cubic yards (3)	
Truck.....	811			
Railroad.....	812			
Waterway.....	813			
Other transportation <i>(please specify)</i> _____	814			
Not transported (used or sold at extraction site).....	815			
<b>TOTAL</b> (should equal LINE CODES 699 + 799).....	819			

**9. Disposition of industrial sand and gravel during year, by destination.**

Report the quantity of industrial sand and gravel shipped or used by reporting unit. The total, LINE CODE 899, should equal the total of LINE CODES 699 and 799, SECTION 7, PAGE 2.

Destination (1)	Code	QUANTITY			Destination (1)	Code	QUANTITY		
		Short tons (2)	OR	Cubic yards (3)			Short tons (2)	OR	Cubic yards (3)
Alabama.....	010				New Jersey.....	340			
Alaska.....	020				New Mexico.....	350			
Arizona.....	040				New York.....	364			
Arkansas.....	050				North Carolina.....	370			
California.....	061				North Dakota.....	380			
Colorado.....	080				Ohio.....	390			
Connecticut.....	090				Oklahoma.....	400			
Delaware.....	100				Oregon.....	410			
District of Columbia..	110				Pennsylvania.....	424			
Florida.....	120				Puerto Rico.....	720			
Georgia.....	130				Rhode Island.....	440			
Hawaii.....	150				South Carolina.....	450			
Idaho.....	160				South Dakota.....	460			
Illinois.....	170				Tennessee.....	470			
Indiana.....	180				Texas.....	481			
Iowa.....	190				Utah.....	490			
Kansas.....	200				Vermont.....	500			
Kentucky.....	210				Virginia.....	510			
Louisiana.....	220				Washington.....	530			
Maine.....	230				West Virginia.....	540			
Maryland.....	240				Wisconsin.....	550			
Massachusetts.....	250				Wyoming.....	560			
Michigan.....	260				U.S. possessions and territories.....	810			
Minnesota.....	270				Canada.....	820			
Mississippi.....	280				Mexico.....	830			
Missouri.....	290				Other foreign countries.....	850			
Montana.....	300				Destination unknown.....	880			
Nebraska.....	310				<b>TOTAL</b> .....	899			
Nevada.....	320								
New Hampshire.....	330								