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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.

COMMON CLAY AND SHALE
AND FIRE CLAY

(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, sponsor, or require a person 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 canvass 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.

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. Status during year. (Check one or more) (1) Active From _____ To _____ (2) Idle
 (3) Abandoned (4) Purchased (5) Sold: if ownership changed during year, give date of change _____
and name and address of other party in transfer _____
If operating company is a subsidiary, please name controlling company _____

2. (1) Total number of mines or pits covered in this report _____; list names and locations of other operations not covered in 1.
(2) Did you produce clay or shale from any other operations not included in this report for which you did not receive a report form?
 (1) Yes (2) No If Yes, please furnish names of other operations _____

3. Mining methods (Check one or both) (1) Open-pit (2) Underground

4. Did you produce at this mine any other mineral products as byproducts or coproducts? (1) Yes (2) No
If Yes, please list _____

5. Clay sold or used and production capacity during year by kind.
Report clay of your own production. Include material produced for you under contract and exclude purchased material. Give fair market value for captive tonnage and rated capacity.

| Kind (1) | Code | Quantity (short tons) (2) | Value of material sold or used (f.o.b. mine or plant) (3) | Rated capacity (short tons) (4) |
|----------------------------|------|---------------------------|---|---------------------------------|
| Common clay and shale..... | 129 | | \$ | |
| Fire clay: | | | | |
| Plastic..... | | | | |
| Flint..... | | | | |
| Total fire clay..... | 139 | | | |
| TOTAL CLAYS..... | 199 | | | |

6. Clay sold or used during year by use (Report in short tons). Include only the clay that you produced, DO NOT include purchased clay.

| Domestic End Use (1) | Code | Common clay and shale (2) | Fire clay (3) |
|--|------------------------------|------------------------------|------------------|
| ABSORBENTS | 203 | | |
| CERAMICS AND GLASS | Pottery..... | 212 | |
| | Roofing granules..... | 213 | |
| | Other (please specify) _____ | 216 | |
| CIVIL ENGINEERING AND SEALING | 224 | | |
| FILLERS AND BINDERS (check use below) | 247 | | |

Filler and binder sales or use for Animal feed Asphalt emulsion Asphalt tile Wall board Other (please specify) _____

| | | | | |
|--------------------------------|---|-----|--|--|
| FLOOR AND WALL TILE | Floor and wall tile, ceramic..... | 256 | | |
| | Quarry tile..... | 257 | | |
| | Other (please specify) _____ | 258 | | |
| HEAVY CLAY PRODUCTS | Face brick, extruded..... | 260 | | |
| | Face brick, other..... | 261 | | |
| | Drain tile..... | 262 | | |
| | Flower pots..... | 263 | | |
| | Sewer pipe..... | 267 | | |
| | Portland and other cement..... | 265 | | |
| | Other (please specify or check use below) _____ | 270 | | |

"Other" heavy clay products sales or use for: Flue linings Roofing tile Structural tile Terra cotta

| | | | | |
|----------------------------------|---|-----|--|--|
| LIGHTWEIGHT AGGREGATE | Concrete block..... | 273 | | |
| | Structural concrete..... | 274 | | |
| | Highway surfacing..... | 275 | | |
| | Other (please specify) _____ | 276 | | |
| REFRACTORIES | Firebrick, block, and shapes..... | 281 | | |
| | Grogs and calcines..... | 283 | | |
| | Mortar and cement..... | 287 | | |
| | Other (please specify or check use below) _____ | 290 | | |

"Other" refractory sales or use for: Foundry sand High alumina brick High alumina specialties Kiln furniture Plug, tap, or wad

| | | | |
|------------------------------------|-----|--|--|
| OTHER OR UNKNOWN USES | 291 | | |
| EXPORTS | 391 | | |
| TOTAL | 999 | | |

| | | | | |
|--|-----|----------------|----------|-------|
| 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 in the Production Section?

Value data (1) Yes (2) No Other (including quantity) data (1) Yes (2) No

May tabulations be published which could indirectly reveal the data reported in the End Use Section? (1) Yes (2) No

| | | |
|-----------|-------|------|
| Signature | Title | Date |
|-----------|-------|------|

