### Summary

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Current Industrial Reports

Current data are released electronically on Internet for all individual surveys as they become available. Use: http://www.census.gov/mcd/. Individual reports can be accessed by choosing "Current Industrial Reports (CIR)," clicking on "CIRs by Subsector;" then choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available on Internet through the U.S. Department of Commerce and STAT-USA by subscription. The Internet address is: www.stat-usa.gov/. Follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information.

SUMMARY OF FINDINGS. Shipments of brick, building or common and facing, increased 1.5 percent to \$1,714.5 million in 2002, from \$1,688.5 million in 2001. The South Atlantic

region accounted for 32.6 percent of the total value of brick shipments in 2002. More specifically, North Carolina accounted for 13.9 percent of the total value of brick shipments for 2002.

Shipments of structural facing tile and ceramic glazed brick decreased 20.3 percent to \$10.9 million in 2002, from \$13.7 million in 2001.

Shipments of clay floor and wall tile increased 6.3 percent to \$825.2 million in 2002, from \$776.3 million in 2001.

Shipments of vitrified sewer pipe and fittings decreased 5.6 percent to \$50.4 million in 2002, from \$53.3 million in 2001.

For general CIR information, explanation of general terms and historical note, see the appendix.

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Ernest Wilson, Jr., 301-763-4736.

 $For \ mail \ or \ fax\ copies\ of\ this\ publication,\ please\ contact\ the\ Information\ Services\ Center,\ MCD,\ Washington,\ DC\ 20233-6900,\ or\ call\ 301-763-4673.$ 



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Table 1. Production and Shipments of Clay Construction Products: 1998 to 2002 [Value in thousands of dollars]

Product code	Product description	Production	Shipments		
couc	Troduct description	(quantity)	Quantity	Value	
3271210110	Brick (building or common and face):  2002	8,469,465 8,298,743 9,107,196 8,552,821 8,081,209	8,040,874 7,941,432 8,616,784 8,931,700 8,241,086	1,714,504 1,688,499 1,694,011 1,631,033 1,453,024	
3271210221	Structural facing tile and ceramic glazed brick: 2002	20,513 26,020 29,246 27,568 26,166	19,236 25,762 28,117 26,659 25,813	10,948 13,735 13,246 14,586 15,106	
3271210226	Structural clay tile (except facing):  2002	46,362 49,590 44,152 46,257 50,125	49,563 49,453 47,009 47,156 49,098	11,202 10,574 9,065 8,494 8,641	
3271220000	Clay floor and wall tile: 2002	622,433 589,795 671,179 624,827 621,032	649,488 591,080 650,483 636,242 636,805	825,229 776,268 866,921 843,025 836,897	
3271231000	Vitrified clay sewer pipe and fittings:  2002	159,248 r/ 148,528 158,461 177,048 164,523	r/ 139,086 r/ 165,161 161,214 178,558 156,189	50,352 r/ 53,302 55,653 53,615 48,105	

r/Revised by 5 percent or more from previously published data.

Note: Production and shipment quantities are in thousands of bricks (2-1/4 inch by 3-5/8 inch by 7-5/8 inch brick equivalent) for brick, building or common and facing, and structural facing tile and ceramic glazed brick; short tons for structural clay tile (except facing) and vitrified clay sewer pipe and fittings; and thousands of square feet for clay floor and wall tile.

Table 2a. Production of Brick, Building or Common, and Facing by Regions and State: 2002 [Quantity in thousands of bricks: 2-1/4 inch by 3-5/8 inch by 7-5/8 inch brick equivalent]

Region and state	Total	Fourth quarter	Third quarter	Second quarter	First quarter
United States	8,469,465	2,129,041	2,278,963	2,182,901	1,878,560
New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont)	80,672	19,268	21,843	19,481	20,080
Middle Atlantic (New Jersey, New York, and Pennsylvania)	449,122	103,138	133,804	r/ 130,857	r/ 81,323
East North Central	701,587 411,952	174,410 101,188	180,236 106,782	182,223 105,936	164,718 98,046
Other (Illinois, Indiana, Michigan, and Wisconsin)	289,635	73,222	73,454	76,287	66,672
West North Central Kansas and Missouri Other (Iowa, Minnesota, Nebraska,	428,414 139,788	107,273 34,514	115,586 35,708	103,887 34,875	101,668 34,691
North Dakota, and South Dakota)	288,626	72,759	79,878	69,012	66,977
South Atlantic	3,135,096 465,546 1,434,641 485,982	792,370 119,944 359,726 118,872	856,612 126,534 394,353 130,118	808,225 118,059 371,802 126,705	677,889 101,009 308,760 110,287
West Virginia)	748,927	193,828	205,607	191,659	157,833
East South CentralAlabamaOther (Kentucky, Mississippi, and	1,537,545 718,655	393,261 187,528	406,232 191,322	392,590 179,947	345,462 159,858
Tennessee)	818,890	205,733	214,910	212,643	185,604
West South Central	1,615,282 (D) (D) (D) 975,171	406,468 (D) (D) (D) 242,050	423,340 (D) (D) (D) 253,390	407,154 (D) (D) (D) 250,025	378,320 (D) (D) (D) 229,706
Mountain  Colorado Other (Arizona, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming)	320,156 174,179 145,977	81,323 44,368 36,955	83,781 45,368 38,413	84,400 47,189 37,211	70,652 37,254 33,398
Pacific (Alaska, California, Hawaii, Oregon, and Washington)	201,591	r/ 51,530	r/ 57,529	r/ 54,084	r/ 38,448

D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

Table 2b. Shipments of Brick, Building or Common, and Facing by Regions and State: 2002 [Quantity in thousands of bricks: 2-1/4 inch by 3-5/8 inch by 7-5/8 inch brick equivalent]

Region and state	Total	Fourth quarter	Third quarter	Second quarter	First quarter
United States	8,040,874	1,882,531	2,234,184	2,192,769	1,731,390
New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont)	72,197	16,165	20,303	20,446	15,283
Middle Atlantic (New Jersey, New York, and Pennsylvania)	416,999	100,240	118,241	117,210	81,308
East North Central Ohio	682,846 407,320	165,551 97,384	198,817 118,766	188,997 114,249	129,481 76,921
Other (Illinois, Indiana, Michigan, and Wisconsin)	275,526	68,167	80,051	74,748	52,560
West North Central Kansas and Missouri Other (Iowa, Minnesota, Nebraska,	398,656 124,142	98,161 30,988	113,266 34,306	105,961 31,834	81,268 27,014
North Dakota, and South Dakota)	274,514	67,173	78,960	74,127	54,254
South Atlantic	2,950,979 394,773 1,325,978 482,338	669,550 88,900 302,223 108,768	817,261 106,949 366,770 132,968	810,147 110,018 373,452 130,204	654,021 88,906 283,533 110,398
Florida, Georgia, Maryland, and West Virginia)	747,890	169,659	210,574	196,473	171,184
East South CentralAlabamaOther (Kentucky, Mississippi, and	1,510,117 720,620	354,293 171,931	418,510 193,647	407,055 190,424	330,259 164,618
Tennessee)	789,497	182,362	224,863	216,631	165,641
West South Central	1,516,298 (D) (D) (D) 905,873	362,207 (D) (D) (D) 208,099	409,580 (D) (D) (D) 243,582	406,158 (D) (D) (D) 248,662	338,353 (D) (D) (D) (D) 205,530
Mountain Colorado Other (Arizona, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming)	302,797 165,879 136,918	r/ 71,315 39,421 31,894	r/ 85,472 47,505 37,967	r/ 84,339 47,116 37,223	r/ 61,671 31,837 29,834
Pacific (Alaska, California, Hawaii, Oregon, and Washington)	189,985	r/ 45,049	r/ 52,734	r/ 52,456	r/ 39,746

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Table 2c. Value of Shipments of Brick, Building or Common, and Facing by Regions and State: 2002 [Value in thousands of dollars]

Region and state	Total	Fourth quarter	Third quarter	Second quarter	First quarter
United States	1,714,504	391,690	477,819	474,582	370,413
New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont)	20,442	4,601	5,797	5,884	r/ 4,160
Middle Atlantic (New Jersey, New York, and Pennsylvania)	102,497	24,876	28,289	29,103	20,229
East North CentralOhio	155,620 101,797	37,613 24,335	45,700 29,966	43,477 28,577	28,830 18,919
Other (Illinois, Indiana, Michigan, and Wisconsin)	53,823	13,278	15,734	14,900	9,911
West North Central Kansas and Missouri Other (Iowa, Minnesota, Nebraska,	91,685 24,962	22,268 6,276	25,842 6,908	24,833 6,439	r/ 18,742 5,339
North Dakota, and South Dakota)	66,723	15,992	18,934	18,394	r/ 13,403
South Atlantic	558,780 82,310 237,757 106,545	125,253 18,729 54,296 23,453	153,056 22,688 65,326 28,967	155,870 22,520 67,344 29,459	124,601 18,373 50,791 24,666
Florida, Georgia, Maryland, and West Virginia)	132,168	28,775	36,075	36,547	30,771
East South Central	251,950 121,728	56,466 27,642	70,192 33,035	69,168 32,632	56,124 28,419
Tennessee)	130,222 367,835 (D) (D) (D) 215,262	28,824 81,793 (D) (D) (D) 45,252	37,157 102,537 (D) (D) (D) 61,628	36,536 99,826 (D) (D) (D) 59,424	27,705 83,679 (D) (D) (D) 48,958
Mountain Colorado Other (Arizona, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming)	83,059 46,399 36,660	r/ 19,434 11,125 8,309	r/ 23,641 13,329 10,312	r/ 23,313 13,123 10,190	r/ 16,671 8,822 7,849
Pacific (Alaska, California, Hawaii, Oregon, and Washington)	82,636	r/ 19,386	r/ 22,765	r/ 23,108	r/ 17,377

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Table 3a. Production of Brick, Building or Common, and Facing by Regions and State: 2001 [Quantity in thousands of bricks: 2-1/4 inch by 3-5/8 inch by 7-5/8 inch brick equivalent]

Region and state	Total	Fourth quarter	Third quarter	Second quarter	First quarter
United States	8,298,743	2,009,921	2,135,680	2,125,528	2,027,614
New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont)	77,505	21,433	19,141	17,508	19,423
Middle Atlantic (New Jersey, New York,					
and Pennsylvania)	426,095	87,432	108,543	114,967	115,153
East North CentralOhioOther (Illinois, Indiana, Michigan,	737,034 431,880	172,181 100,163	183,051 113,098	198,490 112,761	183,312 105,858
and Wisconsin)	305,154	72,018	69,953	85,729	77,454
West North Central Kansas and Missouri Other (Iowa, Minnesota, Nebraska,	409,240 135,405	104,746 36,850	109,226 35,165	103,447 34,591	91,821 28,799
North Dakota, and South Dakota)	273,835	67,896	74,061	68,856	63,022
South Atlantic  Virginia  North Carolina  South Carolina  Other (Delaware, District of Columbia,	3,082,299 446,020 1,323,433 504,234	752,084 107,269 326,410 118,286	796,197 110,995 340,157 138,805	791,955 114,700 338,266 137,825	742,063 113,056 318,600 109,318
Florida, Georgia, Maryland, and West Virginia)	808,612	200,119	206,240	201,164	201,089
East South CentralAlabamaOther (Kentucky, Mississippi, and	1,487,293 695,049	364,939 166,892	372,647 176,485	371,561 179,857	378,146 171,815
Tennessee)	792,244	198,047	196,162	191,704	206,331
West South CentralArkansasLouisianaOklahomaTexas	1,560,652 (D) (D) (D) 935,828	383,266 (D) (D) (D) (D) 226,724	407,498 (D) (D) (D) 243,074	395,067 (D) (D) (D) 233,652	374,821 (D) (D) (D) 232,378
Mountain  Colorado Other (Arizona, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming)	306,168 (D)	71,823 (D)	81,940 (D)	78,167 (D)	74,238 (D)
Pacific (Alaska, California, Hawaii, Oregon, and Washington)	212,457	52,017	57,437	54,366	48,637

D Withheld to avoid disclosing data for individual companies.

Table 3b. Shipments of Brick, Building or Common, and Facing by Regions and State: 2001 [Quantity in thousands of bricks: 2-1/4 inch by 3-5/8 inch by 7-5/8 inch brick equivalent]

Region and state	Total	Fourth quarter	Third quarter	Second quarter	First quarter
United States	7,941,432	1,936,864	2,133,466	2,164,045	1,707,057
New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont)	73,444	19,038	20,358	21,156	12,892
Middle Atlantic (New Jersey, New York, and Pennsylvania)	406,937	95,079	104,649	120,340	86,869
East North CentralOhioOther (Illinois, Indiana, Michigan,	676,034 402,985	163,799 96,375	187,273 111,418	193,564 115,001	131,398 80,191
and Wisconsin)	273,049	67,424	75,855	78,563	51,207
West North Central Kansas and Missouri Other (Iowa, Minnesota, Nebraska,	368,224 123,441	96,967 31,571	105,435 36,301	97,636 32,876	68,186 22,693
North Dakota, and South Dakota)	244,783	65,396	69,134	64,760	45,493
South Atlantic	3,003,765 415,785 1,302,779 498,404	725,469 111,025 307,775 121,487	779,050 104,814 338,861 135,040	815,906 112,427 356,865 134,658	683,340 87,519 299,278 107,219
West Virginia)	786,797	185,182	200,335	211,956	189,324
East South CentralAlabamaOther (Kentucky, Mississippi, and	1,404,776 669,225	343,815 160,296	377,650 183,936	373,785 175,415	309,526 149,578
Tennessee)	735,551	183,519	193,714	198,370	159,948
West South Central	1,512,684 (D) (D) (D) (D) 934,296	377,244 (D) (D) (D) 230,786	420,850 (D) (D) (D) 253,495	404,350 (D) (D) (D) 253,535	310,240 (D) (D) (D) 196,480
Mountain  Colorado Other (Arizona, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming)	292,442 (D)	65,896 (D)	83,172 (D)	80,388 (D)	62,986 (D)
Pacific (Alaska, California, Hawaii, Oregon, and Washington)	203,126	49,557	55,029	56,920	41,620

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Table 3c. Value of Shipments of Brick, Building or Common, and Facing by Regions and State: 2001 [Value in thousands of dollars]

Region and state	Total	Fourth quarter	Third quarter	Second quarter	First quarter
United States	1,688,499	407,671	461,252	456,432	363,144
New England (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont)	20,695	5,359	5,699	5,915	3,722
Middle Atlantic (New Jersey, New York, and Pennsylvania)	98,851	23,431	24,987	29,071	21,362
East North Central Ohio Other (Illinois, Indiana, Michigan,	149,808 96,663	37,017 23,750	41,934 26,924	42,986 27,339	27,871 18,650
and Wisconsin)	53,145	13,267	15,010	15,647	9,221
West North Central Kansas and Missouri Other (Iowa, Minnesota, Nebraska,	81,736 23,992	21,783 6,156	23,405 6,911	21,535 6,476	15,013 4,449
North Dakota, and South Dakota)	57,744	15,627	16,494	15,059	10,564
South Atlantic  Virginia  North Carolina  South Carolina  Other (Delaware, District of Columbia,	561,089 75,816 232,783 104,175	133,712 19,528 54,980 25,382	150,001 20,861 60,792 28,261	150,856 19,814 64,407 28,131	126,520 15,613 52,604 22,401
Florida, Georgia, Maryland, and West Virginia)	148,315	33,822	40,087	38,504	35,902
East South Central	235,175 116,264	56,733 27,007	63,788 31,650	61,962 30,466	52,692 27,141
Tennessee)	118,911	29,726	32,138	31,496	25,551
West South Central	374,583 (D) (D) (D) 223,604	89,812 (D) (D) (D) 52,888	104,985 (D) (D) (D) 62,128	98,737 (D) (D) (D) 59,618	81,049 (D) (D) (D) 48,970
Mountain  Colorado Other (Arizona, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming)	82,294 (D)	18,882 (D)	23,468 (D)	22,359 (D)	17,585 (D)
Pacific (Alaska, California, Hawaii, Oregon, and Washington)	84,268	20,942	22,985	23,011	17,330

D Withheld to avoid disclosing data for individual companies.

Table 4a. Production of Clay Construction Products: 2002 and 2001

Product code	Product description	Total	Fourth quarter	Third quarter	Second quarter	First quarter
	2002					
3271210110	Brick, building or common and facing	8,469,465	2,129,041	2,278,963	2,182,901	1,878,560
3271210221	Structural facing tile and ceramic glazed brick	20,513	r/ 4,976	r/ 6,414	r/ 5,157	r/ 3,966
3271210226	Structural clay tile (except facing)	46,362	r/ 11,699	11,259	r/ 12,308	r/ 11,096
3271220000 3271220111	Clay floor and wall tile	622,433	155,919	143,593	166,088	156,833
	square inches	322,198	76,382	76,888	84,892	84,036
3271220121	Glazed floor and wall tile having a facial area greater than or equal to 59 square inches	162,778	46,369	32,060	44,094	40,255
3271220211	Glazed and unglazed ceramic mosaic tile having a facial area less than 6 square inches	(D)	(D)	(D)	(D)	(D)
3271220131	Unglazed tile including unglazed quarry tile having a facial area greater than or equal to 6 square inches	(D)	(D)	(D)	(D)	(D)
3271231000	Vitrified clay sewer pipe and fittings	159,248	35,126	41,285	45,213	37,624
	2001					
3271210110	Brick, building or common and facing	8,298,743	2,009,921	2,135,680	2,125,528	2,027,614
3271210221	Structural facing tile and ceramic glazed brick	26,020	5,607	7,310	6,670	6,433
3271210226	Structural clay tile (except facing)	49,590	11,584	13,549	13,026	11,431
3271220000 3271220111	Clay floor and wall tile	589,795	135,902	130,196	160,324	163,373
	square inches	303,207	70,546	67,254	81,154	84,253
3271220121	Glazed floor and wall tile having a facial area greater than or equal to 59 square inches	155,384	34,111	29,577	45,719	45,977
3271220211	Glazed and unglazed ceramic mosaic tile having a facial area less than 6 square inches	(D)	(D)	(D)	(D)	(D)
3271220131	Unglazed tile including unglazed quarry tile having a facial area greater than or equal to 6 square inches	(D)	(D)	(D)	(D)	(D)
3271231000	Vitrified clay sewer pipe and fittings	r/ 148,528	r/ 36,564	r/ 39,754	41,323	r/ 30,887

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Note: Production and shipment quantities are in thousands of bricks (2-1/4 inch by 3-5/8 inch by 7-5/8 inch brick equivalent) for brick, building or common and facing, and structural facing tile and ceramic glazed brick; short tons for structural clay tile (except facing) and vitrified clay sewer pipe fittings; and thousands of square feet for clay floor and wall tile.

Table 4b. Quantity of Shipments of Clay Construction Products: 2002 and 2001

Product code	Product description	Total	Fourth quarter	Third quarter	Second quarter	First quarter
	2002					
3271210110	Brick, building or common and facing	8,040,874	1,882,531	r/ 2,234,184	2,192,769	1,731,390
3271210221	Structural facing tile and ceramic glazed brick	19,236	4,157	6,341	r/ 4,677	r/ 4,061
3271210226	Structural clay tile (except facing)	49,563	r/ 11,933	r/ 13,099	r/ 12,030	r/ 12,501
3271220000 3271220111	Clay floor and wall tile	649,488	152,684	156,268	r/ 168,077	r/ 172,459
	square inches	321,961	74,905	r/ 77,743	r/ 82,584	r/ 86,729
3271220121	Glazed floor and wall tile having a facial area greater than or equal to 59 square inches	192,705	44,288	44,182	49,259	54,976
3271220211	Glazed and unglazed ceramic mosaic tile having a facial area less than 6 square inches	(D)	(D)	(D)	(D)	(D)
3271220131	Unglazed tile including unglazed quarry tile having a facial area greater than or equal to 6 square inches	(D)	(D)	(D)	(D)	(D)
3271231000	Vitrified clay sewer pipe and fittings	r/ 139,086	r/ 24,141	r/ 42,854	r/ 36,470	r/ 35,621
	2001					
3271210110	Brick, building or common and facing	7,941,432	1,936,864	2,133,466	2,164,045	1,707,057
3271210221	Structural facing tile and ceramic glazed brick	25,762	5,370	7,334	6,640	6,418
3271210226	Structural clay tile (except facing)	49,453	12,795	12,489	12,411	11,758
3271220000 3271220111	Clay floor and wall tile	591,080	141,209	138,757	155,200	155,914
	to 6 square inches and less than 59 square inches	301,591	71,597	66,475	79,545	83,974
3271220121	Glazed floor and wall tile having a facial area greater than or equal to 59 square inches	165,829	38,983	40,799	44,912	41,135
3271220211	Glazed and unglazed ceramic mosaic tile having a facial area less than 6 square inches	(D)	(D)	(D)	(D)	(D)
3271220131	Unglazed tile including unglazed quarry tile having a facial area greater than or equal to 6 square inches	(D)	(D)	(D)	(D)	(D)
3271231000	Vitrified clay sewer pipe and fittings		39,357	48,301	r/ 42,672	r/ 34,831
52,1251000		., 100,101	33,331	10,501	1, 12,012	., 51,051

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Note: Production and shipment quantities are in thousands of bricks (2-1/4 inch by 3-5/8 inch by 7-5/8 inch brick equivalent) for brick, building or common and facing, and structural facing tile and ceramic glazed brick; short tons for structural clay tile (except facing) and vitrified clay sewer pipe and fittings; and thousands of square feet for clay floor and wall tile.

Table 4c. Value of Shipments of Clay Construction Products: 2002 and 2001 [Value in thousands of dollars]

Product code	Product description	Total	Fourth quarter	Third quarter	Second quarter	First quarter		
	2002							
3271210110	Brick, building or common and facing	1,714,504	391,690	477,819	474,582	370,413		
3271210221	Structural facing tile and ceramic glazed brick	10,948	r/ 2,324	3,605	r/ 2,682	r/ 2,337		
3271210226	Structural clay tile (except facing)	11,202	r/ 2,666	r/ 3,011	r/ 2,697	r/ 2,828		
3271220000 3271220111	Clay floor and wall tile	825,229 387,441	188,636 86,351	203,388 96,460	215,319 98,843	217,886 105,787		
3271220121	Glazed floor and wall tile having a facial area greater than or equal to 59 square inches	177,473	r/ 41,201	r/ 40,798	r/ 45,328	r/ 50,146		
3271220211	Glazed and unglazed ceramic mosaic tile having a facial area less than 6 square inches	(D)	(D)	(D)	(D)	(D)		
3271220131	Unglazed tile including unglazed quarry tile having a facial area greater than or equal to 6 square inches	(D)	(D)	(D)	(D)	(D)		
3271231000	Vitrified clay sewer pipe and fittings	50,352	8,978	15,684	12,706	12,984		
	2001							
3271210110	Brick, building or common and facing	1,688,499	407,671	461,252	456,432	363,144		
3271210221	Structural facing tile and ceramic glazed brick	13,735	3,019	4,000	3,672	3,044		
3271210226	Structural clay tile (except facing)	10,574	2,757	2,657	2,677	2,483		
3271220000 3271220111	Clay floor and wall tile	776,268	187,396	181,598	200,723	206,551		
	square inches	356,943	85,129	75,817	94,517	101,480		
3271220121	Glazed floor and wall tile having a facial area greater than or equal to 59 square inches	166,314	39,325	40,997	43,849	42,143		
3271220211	Glazed and unglazed ceramic mosaic tile having a facial area less than 6 square inches	(D)	(D)	(D)	(D)	(D)		
3271220131	Unglazed tile including unglazed quarry tile having a facial area greater than or equal to 6 square inches	(D)	(D)	(D)	(D)	(D)		
3271231000	Vitrified clay sewer pipe and fittings	r/ 53,302	r/ 12,920	r/ 14,863	r/ 14,261	r/ 11,258		
D Withhe	ld to avoid disclosing data for individual companies.	r/Revised by 5 percent or more from previously published data.						

Table 5. Shipments, Exports, and Imports of Selected Clay Construction Products: 2002 and 2001 [Value in thousands of dollars]

Product description			ufacturers' nipments		f domestic handise	manufa	exports to acturers' ments
	Unit of measure	Quantity	Value f.o.b. plant	Quantity	Value at port	Quantity	Value 1/
2002							
Brick, building or common and facing 2/	1,000 bricks	8,040,874	1,714,504	37,135	9,022	0.5	0.5
Structural clay tile and ceramic glazed brick	do	(X)	22,150	(X)	5,126	(X)	23.1
Clay floor and wall tile 3/	1,000 sq meters	60,339	825,229	3,874	27,879	6.4	3.4
Vitrified clay sewer pipe and fittings 4/	Metric tons	126,177	50,352	1,436	3,850	1.1	7.6
2001							
Brick, building or common and facing 2/	1,000 bricks	7,941,432	1,688,499	30,547	7,767	0.4	0.5
Structural clay tile and ceramic glazed brick	do	(X)	24,309	(X)	4,366	(X)	18.0
Clay floor and wall tile 3/	1,000 sq meters	54,913	776,268	3,094	26,547	5.6	3.4
Vitrified clay sewer pipe and fittings 4/	Metric tons	149,832	53,302	1,106	2,901	0.7	5.4
		Imports for Apparent consumption consumption 6/			-	to app	imports parent mption
	Unit of measure	Quantity	Value 5/	Quantity	Value 1/	Quantity	Value
2002							
Brick, building or common and facing 2/	. 1,000 bricks	25,164	7,541	8,028,903	1,713,023	0.3	0.4
Structural clay tile and ceramic glazed brick	do	(X)	3,542	(X)	20,566	(X)	17.2
Clay floor and wall tile 3/	. 1,000 sq meters	189,022	1,567,948	245,487	2,365,298	77.0	66.3
Vitrified clay sewer pipe and fittings 4/	. Metric tons	551	751	125,292	47,253	0.4	1.6
2001							
Brick, building or common and facing 2/	. 1,000 bricks	27,579	7,916	7,938,464	1,688,648	0.3	0.5
Structural clay tile and ceramic glazed brick	do	(X)	3,914	(X)	23,857	(X)	16.4
Clay floor and wall tile 3/	. 1,000 sq meters	159,455	1,357,226	211,274	2,106,947	75.5	64.4
Vitrified clay sewer pipe and fittings 4/	. Metric tons	200	339	148,926	50,740	0.1	0.7

X Not applicable.

Note: Schedule B export codes and HTSUSA import codes are listed in Table 6.

<sup>1/</sup>Value calculations are based on the estimated producers' value of exports.

<sup>2/</sup>Import and export data include data for floor, paving, and sewer brick; and export data include data for heat insulating building brick: manufacturers' shipments data do not include data for floor, paving, sewer, and heat insulating building brick.

<sup>3/</sup>A conversion factor of 0.092903 thousands of square meters per one thousand square feet was used to convert manufacturers' shipments from thousands of square feet to thousands of square meters.

4/A conversion factor of 0.907185 metric tons per one short ton was used to convert manufacturers' shipments from short tons to metric

<sup>4/</sup>A conversion factor of 0.907185 metric tons per one short ton was used to convert manufacturers' shipments from short tons to metric tons. Import and export data include data for guttering, other conduits, other fittings, and other pipe: manufacturers' shipments data do not include data for guttering, other conduits, other fittings, and other pipe.

<sup>5/</sup>Represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States.

<sup>6/</sup>Apparent consumption is equal to manufacturers' shipments plus imports minus exports.

Table 6. Comparison of Schedule B Export Codes and HTSUSA Import Codes: 2002

Product description	Export code	Import code
Brick, building or common and facing	6904.10.0015 6904.10.0090	6904.10.0020 6904.10.0040
Structural clay tile and ceramic glazed brick	6904.90.0000	6904.90.0000
Clay floor and wall tile	6907.10.0000 6907.90.0000 6908.10.0000 6908.90.0000	6907.10.0000 6907.90.0010 6907.90.0050 6908.10.1000 6908.10.2000 6908.90.0010 6908.90.0050
Vitrified clay sewer pipe and fittings	6906.00.0000	6906.00.0000

Sources: 2002 edition, Harmonized System-based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States; Harmonized Tariff Schedule of the United States, Annotated (2002).

## Appendix.

# General CIR Survey Information, Explanation of General Terms and Historical Note

#### **GENERAL**

The CIR program has been providing monthly, quarterly, and annual measures of industrial activity for many years. Since 1904, with its cotton and fats and oils surveys, the CIR program has formed an essential part of an integrated statistical system involving the quinquennial economic census, manufacturing sector, and the annual survey of manufactures. The CIR surveys, however, provide current statistics at a more detailed product level than either of the other two statistical programs.

The primary objective of the CIR program is to produce timely, accurate data on production and shipments of selected products. The data are used to satisfy economic policy needs and for market analysis, forecasting, and decision making in the private sector. The product-level data generated by these surveys are used extensively by individual firms, trade associations, and market analysts in planning or recommending marketing and legislative strategies, particularly if their industry is significantly affected by foreign trade. Although production and shipments information are the two most common data items collected, the CIR program collects other measures also such as inventories, orders, and consumption. These surveys measure manufacturing activity in important commodity areas such as textiles and apparel, chemicals, primary metals, computer and electronic components, industrial equipment, aerospace equipment, and consumer goods.

The CIR program uses a unified data collection, processing, and publication system. The U.S. Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic census, manufacturing sector. The manufacturing sector provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is too large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. The CIR program includes a group of mandatory and voluntary surveys. Typically the monthly and quarterly surveys are conducted on a voluntary basis. Those companies that choose not to respond to the voluntary surveys are required to submit a mandatory annual counterpart corresponding to the more frequent survey.

## NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Listed below are the NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Foodservices
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

#### **FUNDING**

The Census Bureau funds most of the surveys. However, a number of surveys are paid for either fully or partially by other Federal Government agencies or private trade associations. A few surveys are mandated, but all are authorized by Title 13 of the United States Code.

#### **RELIABILITY OF DATA**

Survey error may result from several sources including the inability to obtain information about all cases in the survey, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding the reported data, and other errors of collection, response, coverage, and estimation. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to these nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is the imputing of data for nonrespondents, for late reporters, and for data that fail logic edits. Missing figures are imputed based on period-to-period movements shown by reporting firms. A figure is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are suppressed or footnoted. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

#### **DATA REVISIONS**

Statistics for previous years may be revised as the result of corrected figures from respondents, late reports for which imputations were originally made, or other corrections. Data that have been revised by more than 5percent from previously published data are indicated by footnotes.

#### **DISCLOSURE**

The Census Bureau collects the CIR data under the authority of Title 13, United States Code, which specifies that the information can only be used for statistical purposes and cannot be published or released in any manner that would identify a person, household, or establishment. "D" indicates that data in the cell have been suppressed to avoid disclosure of information pertaining to individual companies.

#### **EXPLANATION OF GENERAL TERMS**

**Capacity.** The maximum quantity of a product that can be produced in a plant in 1 day if operating for 24 hours. Includes the capacity of idle plants until the plant is reported to be destroyed, dismantled, or abandoned.

**Consumption.** Materials used in producing or processing a product or otherwise removing the product from the inventory.

**Exports.** Includes all types of products shipped to foreign countries, or to agents or exporters for reshipment to foreign countries.

Gross shipments. The quantity or value of physical shipments from domestic establishments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale or use. Shipments of products purchased for resale are omitted. Shipments of products made under toll arrangements are included.

**Interplant transfers.** Shipments to other domestic plants within a company for further assembly, fabrication, or manufacture.

**Inventories.** The quantity or value of finished goods, work in progress, and materials on hand.

Machinery in place. The number of machines of a particular type in place as of a particular date whether the machinery was used for production, prototype, or sampling, or was idle. Machinery in place includes all machinery set up in operating positions.

**Net receipts.** Derived by subtracting the materials held at the end of the previous month from the sum of materials used during the current month.

**Production.** The total volume of products produced, including: products sold; products transferred or added to inventory after adjustments for breakage, shrinkage, and obsolescence, plus any other inventory adjustment; and products that undergo further manufacture at the same establishment.

**Quantities produced and consumed.** Quantities of each type of product produced by a company for internal consumption within that same company.

Quantity and value of new orders. The sales value of orders received during the current reporting period for products and services to be delivered immediately or at some future date. Also represents the net sales value of contract change documents that increase or decrease the sales value of the orders to which they are related, when the parties concerned are in substantial agreement as to the amount involved. Included as orders are only those that are supported by binding legal documents such as signed contracts or letter contracts.

Quantity and value of shipments. The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and

returns. Shipments to a company's own branches are assigned the same value as comparable appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

**Stocks**. Total quantity of ending finished inventory.

**Unfilled orders (backlog)**. Calculated by adding net new orders and subtracting net sales from the backlog at the end of the preceding year.

#### HISTORICAL NOTE

Data on clay products have been collected by the Census Bureau since 1947. Historical data may be obtained from Current Industrial Reports (called Facts for Industry before 1959) available at your local Federal Depository Library.